

SEQUENCE LISTING

<110> Munger, William E.
Kulkarni, Prakash
Getzenberg, Robert H.
Waga, Iwao
Yamamoto, Jun

<120> Identifying Drugs for and Diagnosis of Benign Prostatic
Hyperplasia Using Gene Expression Profiles

<130> 44921-5029-US

<140>

<141>

<150> US 60/223,323

<151> 2000-08-07

<160> 746

<170> PatentIn Ver. 2.1

<210> 1

<211> 333

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA004699

<400> 1

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gcaggaggct ggggttggct cctcgactcc acaaacactg aggagtgggt ggggacacca 240
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<210> 2

<211> 287

<212> DNA

<213> Homo sapiens

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<223> Genbank Accession No. AA007158

<400> 2

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agtggaacgt gtcaaacaga aatggtgaca atgagttaga actgcagttg tttcaaggta 120
ctacactatt atttaaaaaa aaaactcaca aaaagaaaaa tgttatcact acaagtagga 180
attagaagag agaaatcctg gcagtctgtc tagagggttaa aacatttcat gcatttgtga 240
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<210> 3

<211> 468

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<220>
<221> unsure
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<223> n = a or c or g or t

<400> 3
aggtaacttca aaagccacat ttaattcaaa ataaaatgag catttctgac agatgacaac 60
agtatgaaac tgattttttt ctttcctaga tacaaaaatg atatggggca tttcttaaca 120
gttttagtaat cgtctaagaa taattgtaga aataacccca attccaccat cccagccact 180
ggtataaaac aaataccttc catgaaactg tctttcacat aactaaaata tcctcactta 240
cttggaaaca tttcatgctt acacatgac acaaacattt gtttttagat gttgtggaat 300
tactggagct gagatttctg aaacaatatt tgaatcttag cagagagata ataatccttt 360
cactatacat tgcttgggct tccttaacca aatctgagta actactggta ataataatgc 420
tggtggtagt ccatgatact ctcaaatttt tcctttaag aaatatan 468

<210> 4
<211> 163
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA017063

<220>
<221> unsure
<222> (1)..(163)
<223> n = a or c or g or t

<400> 4
cgcangatga ncacttccgc ggggatgct cccggttgct ctgcggaggg caggccgact 60
cagggcgggg tttggtcctg aaaaaatggg gtggggcggg tacctcttac cgcttgggac 120
cttgggacct cttnttgacc ccaggaagag attagaagcc ctt 163

<210> 5
<211> 196
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA019034

<400> 5
tatctttaca aatgacagaa tatattattaa caataccttt aaaaaagatt acatatgcta 60
gatcactggg aaatatcatt tacactgggg ttgggaactc cctgggtgtc attttttttc 120
gttcatttta ttattttgct gatttttttt ttgcatgtga ttttaaattt tatttcaaca 180
tagaagtaac catatc 196

<210> 6
<211> 482
<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA019433

<220>

<221> unsure

<222> (1)..(482)

<223> n = a or c or g or t

<400> 6

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tttttttttta agtaaaagaa aaagtgcggc tgttaccaat ctgaagtggg agcagccgca 60
ctttttttttt ttttttttaa gtaaaagaaa atttattatg aaactaaagg aataaaagaa 120
tgaccactcc ataggcagag aaacgtcact ttaaggtttt gacatcaatt gatttttgtc 180
caaatcaata attactgcaa tgattgaaaa atgattatta ctaagtttgt tttcattgtc 240
tcaaggtctg ctgaactctg gatccaggct gtgtcaacag ggtagtgtgg tgcctcctgt 300
acctgtcttg gcctcctaca gtccttttta cttattttgt tttttagaat tagagacagg 360
gtcttactat gttgtcaga ctgggnttca aactcctagg ctcaagcaat cttccagcct 420
cagcctccta aaagtgtggt ggattacagg catgagccac canaccggg ccaagttctt 480
tt 482
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<210> 7

<211> 245

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA022886

<220>

<221> unsure

<222> (1)..(245)

<223> n = a or c or g or t

<400> 7

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taaaacccca tgagatattt atataaagtt actcagattt gggccgacat ggcttatctg 60
aagagtgcac gccgggtaaa ttcagggtgg cttttttctc aggggtctga agtgtgagag 120
tttctggggc agactttttc cggggccgat ctttgggaac ggacagaaat tcgggtgcgt 180
ctgtggagag aggggtggat ggagcactag aaggcgcact gcggacngaa aaaaggcccc 240
ccccg 245
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<210> 8

<211> 337

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA025370

<400> 8

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ggatggaata caatttccaa tagtgtctag gccgacaccc ctccaccctc ctttgctgt 60
cattcaagtc aataccctgg agaaaagagg ctgtggggga ggccatgttc gattaggagg 120
tttaagagtc catcaaagtg tcatatgtgt taggtgtgaa atggcgacac tgggaattac 180
tgttaataag ggggtgctgc agcacgtga ttgttatgag aacatcccca ccgcccact 240
tttgtttgaa gactttcgta ctgaactaca tgtgttttac tttcaacaac gtatacacta 300
cagttgacaa aagttaatct cggtgataag aatatgc 337
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<210> 9
 <211> 411
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA026641

<220>
 <221> unsure
 <222> (1)..(411)
 <223> n = a or c or g or t

<400> 9
 tttntntgca aagagaaata ggctcgttta ttnattcatt gatcaactgg cacttcttga 60
 aancctgctg tgtgcccaagc ctttccccaaggaggatat cagtgnnnna gnaagtctca 120
 ggggtggaaag gacctggacc acacagagca ggactccaga gcctcctcca tatggcagga 180
 atcaagcttt cacaggggaa acgcaggatt tcccacacat gcccatgcaa cacttcaagt 240
 cacgcttgca ctggccatcc atctcacaga aattgggggg gttnagcatc naacattggc 300
 canaantcac tnggnacttn ccaagggttn cnccttggtg ggnttngggg ggttnacagg 360
 ggncccgga nttnatgcnc caagtttcng ggcaaanatt tcttttttcc c 411

<210> 10
 <211> 471
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA028092

<400> 10
 tagcaatata aagaaagatt tattttcaaa agtagcaaaa cttgtttgaa aaaaatatat 60
 atctttaagt gaattacttt ataaatgtga ctgtcaaagt cagctatcct atgatctaca 120
 ttttacaaca tattgtacaa aagatacatt gataggctct tatctattta tatatttata 180
 attacatatt gcacttggac cagcaaggct tgcagagtca ttcacggtag aagttaataa 240
 agttaaatag atgggaatct ttgtaagtac aattgatctc ctctggtttg gaaacgaatc 300
 tctctgctgt tgtaaagtgt tctcgcgggg tgggacagag agaggagcat tgcgaggggg 360
 aagcagagac agagagcact gagggcaggg gtgcgcttcc cggggcccg ccccccggg 420
 aggcggcctt tcccagactc gcacctcaa ggtaggagc cgggtggttc a 471

<210> 11
 <211> 422
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA029356

<220>
 <221> unsure
 <222> (1)..(422)
 <223> n = a or c or g or t

<400> 11
 gctctcagag gacaagaatt atgttttatt catttgggag tacataggcg gtattttaaac 60
 aatggtgcta tcttaaacac caaatatcaa ctgcagttca ctttttccgt gtgggggacta 120

atatcaagat ttcatatgaa ttatagtata atccagaagt atgaaaaaat acatcatatt 180
 taacttataa agcattcatc tgcattgttat aagatattac agtaaataca attaggtact 240
 taccatttta tctttacttt aaaaacaatg cctnttccaa aatataaaaa aaagacctat 300
 ttttaaagan ctattttaaag atngcttttg aaaacaacac ttttatntta cnacaaatag 360
 atggtagtgg caacagcact cgtggatggt tacngntaaa taaaaatacc tagtattccg 420
 gg 422

<210> 12

<211> 253

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA029597

<400> 12

gccagaacca aacgtctcct tttattgcaa ggtcaaacc ttttcatttt gtctatttat 60
 acagaatttt cactaaggac tgctcgacgc aacagctgtg agtacattgg tccaaccatt 120
 aataaatagt cttaaataag aaaacaaaca ggttgaagga aagcaagctc atcgctcctga 180
 acgagggatt aaaggggggg ggtgttcaaa agagcttttg atggaaataa ataactctct 240
 tgctttgtaa cac 253

<210> 13

<211> 186

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA031360

<220>

<221> unsure

<222> (1)..(186)

<223> n = a or c or g or t

<400> 13

aaaatttaaa ataaaatttt attttatctt atactcaagt tcagacaata gcatgtggtg 60
 tacattcaaa atttttgaca ggtacagagc acattaaaaa atgaagacat gatcaaggag 120
 atgtaagaga caaatagaca acaacattct ccctgaatct ggaaaaaagc nagccnttag 180
 ggtnc 186

<210> 14

<211> 206

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA036900

<220>

<221> unsure

<222> (1)..(206)

<223> n = a or c or g or t

<400> 14

ctttgctacc ttctgcttgt tgagttgttt tggcattcat attaaaagcc agcatctcac 60

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tatttattga caggttgggc tgtgtgtgtg cgcattgtgtg tatacatttc caggcgtgcc 120
tgtgtcctgt agctttttta aaggaaaccc agtcatccca ctatgaatct ggcatcttct 180
tatgcttcta gtgttttggc canaca 206
```

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<210> 15
<211> 494
<212> DNA
<213> Homo sapiens
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<220>
<223> Genbank Accession No. AA039935
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<220>
<221> unsure
<222> (1)..(494)
<223> n = a or c or g or t
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<400> 15
ttcagttttt ggtcatttta attgtaaaaa ccaagacatt tatataaata agaccgctgt 60
gtaaaatacg attcaccctt ctacgaaaaac ccttttccca cactcgaaan gaanatagaa 120
aaccacgacg agagcagtac aantcagcat gcggtcccng atagctgaag tctcgggcn 180
gccagtgggt ccctgcggaa naggcttcgt nggtgganag nactcctggc ccagggtggnc 240
ccaccagann ntcnntgacc ntctcnanga gacttgcnag gtangcagct ccnnacacc 300
agccccttgn gtctcaantn tacgggtcca aggaggggac gggaaaggct gcttgggtccc 360
caccaaggct tggggggctg ggggggcctg ctggcccagt gaagatgcag tggctctgttc 420
agcctggggt caagttgggg gaaagggttt ctgaggggtc agcacctccc cagaggacaa 480
ggagagaagc tgc 494
```

```
<210> 16
<211> 421
<212> DNA
<213> Homo sapiens
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<220>
<223> Genbank Accession No. AA040433
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<220>
<221> unsure
<222> (1)..(421)
<223> n = a or c or g or t
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<400> 16
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tatctgcaac tgtaggtct ttgttatgtc ttggtcactt tgtctggact ggccgtgacc 120
ttcagctcca gggctctgggc taggaagacg ttccagtgc cttcgtggg gccagcgagc 180
agtcggaagt gctgtgcctc tttctggaag tcttgcttcc tgactttctt gatctgagtc 240
aagtggaaga ttctggctgt gtggccttgg cagggtactt cacctctctg agcctcagtt 300
tcctcatctt ttaccagctt ccagaggtag atctccacca agtccgaggc ctcngtgttc 360
ccaggggcaa agcgacgnag gttngtctng ggctttgggg gataccggat gttttggacg 420
a 421
```

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<210> 17
<211> 486
<212> DNA
<213> Homo sapiens
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<220>
<223> Genbank Accession No. AA040731

<220>
<221> unsure
<222> (1) .. (486)
<223> n = a or c or g or t

<400> 17
ttccaagaag aacatttttc tgttttattct tagaatgtga attttttttt tcaactcagg 60
gccaaagtaca aacttttgat ttttgaaatt ttttcaactc agggccaagt acaatctttt 120
gatttaaaaa ttttttttca tgaacaaacc atcagtagtt attaaggagc ccaagaaata 180
ggagatgtga aagcaggatt tctttgtgtt tcctttgaat gttgttattt tgagtattat 240
cattatcagg tagaggaaga aaggtaggct gggaaagtagg tccttatgat atcttgacta 300
tggtatccag atttacattt cacctngtca cagagcacac ataatttaag ataaacatgt 360
caagaatgac ataaaccaga ggtaaacacc aaggagcttt acatttgga cngaaaaata 420
aaaattagaa aaattattac cccatattaa taacccaaaa attacttaaa ctctaggnc 480
cccngg 486

<210> 18
<211> 546
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA043349

<400> 18
cttttatgca gagtttgatt atgctttatt tttaaaaatc acattcttcc ccattcccag 60
ccaacgaaca acactattca ttctgaaata agaaaatgaa agaattttga gaagtcacac 120
aacattgctg taaatttcat tttttttttt tttactaata aaacagatgc ttctttctca 180
gagatgggtt ttcactttca acatgcgtca tagcatctga ttttctgagc catcttgga 240
aatggagtct ttctaatgt cattgaatgt ggtcaaagct atctacaaag cagagacagt 300
aggctcttgg tgaatcagtt tgggaaattc acaattaagc agtctcagg agtgaaattc 360
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ccagacaaat atctaaatct aaccctaac cactgcttat aagcttagtg attgttgcac 480
aagttgttta gcttctctga gcttagatac ctactgtaa aatgggaata atacctcttt 540
ttagtg 546

<210> 19
<211> 353
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA043777

<220>
<221> unsure
<222> (1) .. (353)
<223> n = a or c or g or t

<400> 19
gaagttataa aagcttggtt ttctttatta gaatactttt ttcaattctg atttgtcaca 60
atttagattc tttttctaag aataagcaga aatttacaaa atttaatttt tatttatata 120
ttcatccgtt caatacacat ttcaagaaag ctgtattgna ccccttnnag tnggtaagtt 180

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ccagggccaa agaaccacaaa taaatccaag gagagagacc aacaaatgta tatttataac 240
acagagtaat aaaacacaaa taaatgtgga gttattttaag catgtaagat ggtacatgct 300
ctaccaaggt atgggggctt ctctaagaca caagatcaga ttaaagtctt gaa 353

```

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<210> 20
<211> 382
<212> DNA
<213> Homo sapiens

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<220>
<223> Genbank Accession No. AA044219

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<220>
<221> unsure
<222> (1)..(382)
<223> n = a or c or g or t

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cacaagcatt tgcaggagta ggcggcccct tcctctccat gtccccatcc ccaacctgag 120
atgcgggagg gcctgggggc tcagagggaa gaactgaggc aagaagcccc ggtgatccag 180
tcagaggatt gggcagcctg acctcggggg ggggagccag cactngacaa caaggagga 240
ggggcacagg agggctcccc gaggtttggt ccgggagggg gaggaaaact gccccctgcn 300
ctgtcaatct ctgcaatgtg ccgagcccca gtccttgan tccctcagtg cctttggggc 360
tggtatgctca ganagcagtt ga 382

```

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<210> 21
<211> 428
<212> DNA
<213> Homo sapiens

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<220>
<223> Genbank Accession No. AA045481

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<220>
<221> unsure
<222> (1)..(428)
<223> n = a or c or g or t

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<400> 21
tttttttcag taatacagat gtctatttta ttaaaaaagt tacaaacagg tggactgcag 60
ggtcgtctta caaaatgaca agaatgaaat ctattggaaa aattttactt ttacaaatct 120
ttataggtaa ttgttcaatg tttgtacttg ttatttgaga ttttaccttt cactgataaa 180
gttacagtac attagatcca tgataatagg ttacattatt ttatttgcag agccctactg 240
cagtgatctg aacaactcct aaatagatgc cataataaag acaagacata tattgcattt 300
aatattaatt tattatccta ataagcaaca tgcaatctat tgaggaagct aaaataactt 360
ttgggtcccct ttcttaaaat gtgctggaga aaccaccctt aaaatcactt tcccccgga 420
tcnngcga 428

```

```

<210> 22
<211> 328
<212> DNA
<213> Homo sapiens

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<220>
<223> Genbank Accession No. AA045487

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<400> 22
ggaaagcatt ttcaaacttt atttacaact gtcacagtga caaaaagtag tttggaaaaa 60
aaaaaatgct agtttctccc tgagcctcaa aaaagaacag atagaagtta caggagggtc 120
atctcacaa aggcattttt actgaaatac taggaatttt ttcaatacaa tcagttagaa 180
atacacacaa attacttgaa aaaaaaaaaa agaggaggcc agataggagc tcagccactt 240
gtccaagagc agctgggtcc cccagcagg ctccaccgct gaggggtcctg acattagctg 300
tcagcccctg gctgctcag actggcaa 328

```

```

<210> 23
<211> 402
<212> DNA
<213> Homo sapiens

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<220>
<223> Genbank Accession No. AA045503

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<400> 23
ctgtgagact gtcctttatt gtgtatacag gttccagcgt cagggtcttc ccacggcccc 60
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ctgaccagag aggcattgag ggaggaggct gacttgcct ggggaccct gctaactgag 180
accaccctt cccctccacc ctgcttctgt atgtgggaga cgaaaccaag agtcaactgg 240
ggcagcaggc atttcccagg gttaaggctg atggaaggct cctatcccag atgggagatg 300
ggggcttttc ctatgactcc ccccatcccc cagctggaag acgtggggag ggggtgcatg 360
ccttagagag gtagaatgag gggaaatact cctcagtgcc ca 402

```

```

<210> 24
<211> 437
<212> DNA
<213> Homo sapiens

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<220>
<223> Genbank Accession No. AA045825

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<220>
<221> unsure
<222> (1)..(437)
<223> n = a or c or g or t

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<400> 24
cagtgtagac cgtctttatt ggcagggtgtt aagagtgcaa aatatcaaca aaccaggggg 60
aatacgcaag ggggtgggag tatggctccc ctaccccatg tgagagccct gtaaccaagc 120
cagtggggtg ggaacgttga cttgactgtg gcaaattcag gctcagcacc ttccaaagaa 180
caagctccca ggcaggaggg ctcttgcaa cacaaggggg aaaggagtgg caccctggaa 240
gggcctgggc tgcgaccac cctgggctgc ttggctcctg tatactgcc acctcaaccc 300
ctcaagagga aggttcaca gctgggggta tgtagttcag agaaccggg ctaaaccag 360
ccctcccaa accagggtta tctgcctcgg gcctcagttt ccctcctccc agtgattacc 420
caagttgggc ccatcag 437

```

```

<210> 25
<211> 397
<212> DNA
<213> Homo sapiens

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<220>
<223> Genbank Accession No. AA045870

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<220>
 <221> unsure
 <222> (1)..(397)
 <223> n = a or c or g or t

<400> 25
 gtttagagtc taaaactaaa acctaatacat ttngtcacag tgtaaaaaaca aatggaaata 60
 acagctcaaa ttttcaaaat attactatag cattatgttt aaaataatct acaacaaaaa 120
 tgtaccattt tcaagcagta ctacattagg agccctttta tagaaaataa tttcttcttt 180
 acccccgttc cagtgtgaat ctagtattct gttaacattt gtgtggcatt tggagtttgt 240
 catccccatt gaaggagag ccttctcaga catgaagcaa gggaaacata ctgaatagtt 300
 ttacacaaat ttgatctggc ttccatttgn cccctcatt tcccaaagt tttaantgta 360
 ttnggatttg ggattctcaa atggtataag ttggcct 397

<210> 26
 <211> 564
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA046426

<220>
 <221> unsure
 <222> (1)..(564)
 <223> n = a or c or g or t

<400> 26
 tttttnttt tttcacttta tcatttactt tttattgtgt tgcttgaagt acctatgtaa 60
 tgcaagtatg tactgtacta aaataacctat atttccaaat aacatatgtg gtgtagccca 120
 cagtctctgc agaagcatca tgagtaacct gtgcctttac actttacaat ccgttattgg 180
 ttgctgttaa aagtatgata acagatgaag aaaaaaaaaa taagtatgaa tacacttttc 240
 caaacacgca catacacagc ttacaatgga atcccaatgg aaataagtga caacatctga 300
 tgtagaatct ataaaatgta gactctgcaa taaaagcca aaggacgtaa aaatatattt 360
 taactttaaa aataacttag ttacagtaat actttgcctg tgtcttacca acatgtagct 420
 gacagtcaaa attttgcaat atagatataa tatatagggg tatataagaa ctacaagaaa 480
 atccccaaaa ccataaaagt tcaaatgtga aacagaaaag tttaacctgg agattcgcta 540
 tggtgantca gccatatttg gaag 564

<210> 27
 <211> 560
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA046840

<220>
 <221> unsure
 <222> (1)..(560)
 <223> n = a or c or g or t

<400> 27
 tacaaatact gtaaaaatta atataaaaaa gtgagcatgc tcagtctttt cctcttatct 60
 acaatacaaa gggtttgtct gaaaagtctg gttttttttc tttttacaaa tgtaccttag 120
 ctgcatcaac aggagtaaga tgtagaaaaa gctaccatta caaaaaataa ttaagggaaa 180

```

ataaacacgt ttagcttctc tcgcagttta gtggtggttaa gtccaggctg tagcttcttt 240
gcgctcctat gtcccaagaa actgcagcgg gcacccggcg gctctggctg cgcagggcag 300
ggcgcgctcc gctccggggc gtcgggtctg aggtatgggt cgttgctgag tctctcccg 360
cccggccgcg cgttaccggc agtctgctgt cccggcgccg ggcagaaggc cgggctgggc 420
agctgcttga agaactgccg gagggccagg tcccgctga ntgctccacg cgtggtgca 480
gttctcgttt cagcgacagc tcacaacttt gtgcantcct gggtgcgccg cttggcttgt 540
ggggtttgcn acgggatggt 560

```

<210> 28

<211> 464

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA047151

<220>

<221> unsure

<222> (1) .. (464)

<223> n = a or c or g or t

<400> 28

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agaaaaacca ccacgtgtc acgtcgacga tgccaaatta tgttagcgtg acaganaaca 60
ccgtggggga ggaaggcagc agctgaagaa aaaagctcaa atgatctagt cactttcgat 120
actgtacttc agatgcgaaa tggatattcn gagtggaac ctgacaaagt gcgcctgctt 180
tgatgtgaac tggatatagac aatgaccagt ggctgggtca gtgggatgtc tctctgtgag 240
cacaaaggct tatcaaata cactaaagat aagttcaaca accatcacat tggaaggag 300
aaaggccgaa catttcattg ttggccgggc atgtgagtg acaagatgga aagagcgatt 360
ggagcatcct ggtataatta ccccatgtgt gctcttaatg gaaatttcaa aggacgggag 420
tattctgttg gttggtgtcc aggtttgtgg cactgttcca agag 464

```

<210> 29

<211> 413

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA047880

<400> 29

```

tacagagaat ataaaaaac attcacttta ttttagaaaa atgaagactc atagagtaag 60
cttatacaca actggcctat taggagtcac agaattcaca ggaaacaatt tctgaagacc 120
aggtgcctgc tgccacctct ccaagcaggc cagagtcag tagagaatgc gattcaggaa 180
gatggctcct cagagggcag ggaggttagc tacggaggcc gctcacgtgg aaatgtccag 240
tgaaccaatg ccaaggaaga agataaaatt ctctggggct gaccacaaca gtgggggtgg 300
ataaagacaa accacttgcc tgtacttctc atcttctatt tgttcatttc actgctggaa 360
ggtgacctct tttcccctaa tcttctttca accagagag ttttaagtctt ctc 413

```

<210> 30

<211> 431

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA053424

<220>
 <221> unsure
 <222> (1) .. (431)
 <223> n = a or c or g or t

<400> 30
 tttgagcttt cagatttgct tttattggta gggaaattcc agagtgggga gccacccagg 60
 aggagacagg ggtgccgagg cttctgggag tctggaagct cccggatgga gaggcttaca 120
 gccccagcct tccccagcag gagcacaggc aggggactgg ccaagtctgt cagctcagag 180
 caggaccggc ttcagggcct gacttcggtc tctcttgac ccgccccgga ggcttgtggt 240
 gggctctgtg tttgcagctc tctgaacag agctagatga ggggtgggagg cccccgttgg 300
 ctacacagtg ggatgctacc atctccggcc tcttgatgt ggagctctgt gccagagtca 360
 acagtctcca ggggtgggccc gaagtgtgtg taggcgntct caaggccgaa atctgctctt 420
 cctcagattc t 431

<210> 31
 <211> 451
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA055163

<400> 31
 tttttcaaaa tatgagttta atgacagaat tagttagcta gtattccaca aaaagtattg 60
 ctctattttc aaaaaatttg cacagtgtct tacacatgtg ctaaaagatt gagaaaataa 120
 attagaaaat tatactgcac acttaacact aaatctacca agcacaatgt aactttttaga 180
 cagctcagaa ggcacttttg gatttttttt tttttcagtg cctcagggat cagtatgaac 240
 tccaattatt gttgccctgg ccaattgtgg gagtactgat aactggagag ttaattgact 300
 gctggataaa gcaatcttta atctaaatgg ggaaggctca ctagcagcta cagaggaagg 360
 ggggtattcag atcccagctt aaggctagga agccagctga cccaatcaga gacatgaacc 420
 catcagaaaa atgtaaaagt tttcatcttt c 451

<210> 32
 <211> 354
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA055768

<400> 32
 tttttttttt tctgttcaaa aaaggtttta tccaaaaaag ttaatcaaga caagcaacag 60
 atactgcaaa gcattatata cagcaccata gtccaggggc caaagaaatc aggagggggt 120
 gggcagtaga ggaattccat atattaatga atgtgagatt aagtatagag tgaagacatt 180
 aacacacaat ttctaatttc tgtaggcag aatgctcccc taccctgatg ccacagcctt 240
 tcacgtttcc taaaccctag taacctctga tctccatctg cctcatcaac acgtcaccac 300
 cctttgctct tcttccaatt tagtcacatg ttgggctgaa tttatttcca ctcc 354

<210> 33
 <211> 610
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA056121

<220>
 <221> unsure
 <222> (1)..(610)
 <223> n = a or c or g or t

<400> 33
 ctccccctcc ctgctccaag ccggagggtt cctgagggtga cagcgccctgc aactgaaatt 60
 tcagcagcgg gagaagatgg acaagagaaa gctcggggcga cggccatctt catccgataa 120
 gaaagatgtt aaatgcaaaa ccagaggatg tccatgttca atcaccactg tccaaattca 180
 gaagctcaga acgctggact ctccctttgc agtgggaaaag aagcctaagg aataaagtca 240
 tctctctaga ccataaaaat aaaaaacata tccgagggtg tcctgttact tccaagtcatt 300
 caccagaaaag gcaactcaaa gttatgttga cgaatgtcct atggacggat ttaggacgaa 360
 aattcagaaa gaccctacct agaaacgatg ctaatttatg tgatgccaac aagggtgcaat 420
 cagactcatt gccttcgaca tctgttgaca gcctagagac atgtcaaaaa ttagaacctc 480
 ttcgccaaag ccttaattta tctgaaagga tnccagaggt atattgacga atgtctggga 540
 acgggttagg aagaaatcct aaggncacc ctgtactgag ggaattggtg ttcagcaant 600
 gcatcaggga 610

<210> 34
 <211> 404
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA057195

<220>
 <221> unsure
 <222> (1)..(404)
 <223> n = a or c or g or t

<400> 34
 agaaaaacca agtgtcttta ttcctcgatc gtttagtatg gcgggtgggag gcgcgcgcgg 60
 gggagcctgg agcccaggga atcgacctgg agggccagtn gngggancgg aggggtgcgag 120
 gntcggctcc tccgcagccg gccctggagg ggttcttggg ggatcgcgcc aggccaaaag 180
 tctgcatggg cggccccgag cctccctgag ccggcgcgcc ccgggnttng ggagaggccn 240
 ctctgnncgc ggtgccgntg cgggcccggtg tgcggcgctc gcccaggggc taagggtgcc 300
 cgtctcaggc gagaccccag gagcccgccg ccccgcgtgt ctcttcagcc gacgtagaca 360
 cgtngggcgg ggaaccccag tcttaacgcy tgttcaagct ctgg 404

<210> 35
 <211> 491
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA057829

<220>
 <221> unsure
 <222> (1)..(491)
 <223> n = a or c or g or t

<400> 35
 cacggccagc ctctcctgca gctgcgcgtn gctcacctcg ctctggcccc tgggtgcgctc 60
 cacctccagg gtggcctcac cgtccctcag cgagacggtg accacgtgct cttggccgctc 120

```

gcagacttga tctccattag ggccaaggcg tatgctccac ggccaggacc accagctgct 180
tcttgagttt ctctgtggag tgatagtcta ccagtgccac agagagaggc acggcacgga 240
ggtcgggggc ccagangcgc aaacaagcac gcctgtgtct gcggctgggc ggattgtgaa 300
gccacgactt ctacttccca ggttgattca gtcccgacgt ccagaagggg tccgcatgta 360
gtccaggctg tagaaggcga agcttncccc ggggttagaa agaagcctct ctccgtcacc 420
gagaagcact gcatacctgt gtttatttca ccgttttctt ggatggtggt gtcttctccg 480
ttcagccagt t 491

```

<210> 36

<211> 436

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA070752

<220>

<221> unsure

<222> (1) .. (436)

<223> n = a or c or g or t

<400> 36

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acgtgcagtt cagtcaatga aatcctgagg attggataaa gtaaacaacac tgaaatggat 60
gcatcgtacc atctactgat gaggaagata tgaggtccta gttgtgaatc atgaaatatt 120
tagagtctgg gtacccatga gttagaagag gatttgctga ggtcatttag gtcttcattc 180
tgctgtgatg tccagttgag ctactgacgg tcctctgggt gcttctggaa actgatgctg 240
gcataggcgc ttaaatactc acttgagcgg cgggtggagc tgctctcacc gctgcccagg 300
ggttgatgan ngggtggggg tgggggaagg ctgcggttca ggggtgcact cctgagggca 360
ctgtttgaag tccttgacca aatccaggtc tatgtagtta agaccattct ccaaaccctc 420
agcagcccca cacagt 436

```

<210> 37

<211> 567

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA082546

<220>

<221> unsure

<222> (1) .. (558)

<223> n = a or c or g or t

<400> 37

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agagaagacc gtggatcacc tggggacaga ggtgaaaggc ctgctgggct gctggaggag 60
ctggcctgga acctgcccc gggaaccttc agccccgctc ccgaccttct cggagatggc 120
ttctgagccc tggagctgga gccagcaggt tggaggtggt gcacctgcca ggcagcgcca 180
cagaaccagc cctgtcctct cgacttctct ccttagcttc atgtgaaata aaagctattc 240
tgggtctcctc tgtgtctgct gacagagtaa cccgtttaac tacagcctcc tctcactcca 300
cttccatgcc tggaggaagc ctgcaacccc ctccaggctc agacctgggg acacccccan 360
tcctgtcatt tataggggaa gatggagcag ggggtgattc acacagatgg ggggccccct 420
gaattggcct gcttctcaga atgttgacca taggtnaaaa gcaaggggat cgggggttcag 480
gaccancaga atgttttagt aatctgnatg aatgagaccc caggatttat gtgtccatta 540
agtggttggt gtgnttttaa aaaaaaa 567

```

<210> 38
<211> 328
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA084138

<400> 38
ggttacaaga ttctttatatt tgtaaaactat acataaacag taaaaaagaa aatgcattat 60
actttattac gtaaagtcaa cattaaattt tgtattgagt gtgtataaat taaatggaaa 120
taattaatca attttgcttt caatgaattg tatactggga aaccagttta cccactgttg 180
aaattaaaga taccaatacg taacattcaa cagggtttttc cattttttatt atgggcacaa 240
aaccattggg atgatatagt taaaagtgat ggtgtgccaa aatgtctaca caattaatta 300
acatgctaac ttaaatacag cggttaaa 328

<210> 39
<211> 370
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA085943

<220>
<221> unsure
<222> (1)..(370)
<223> n = a or c or g or t

<400> 39
agaaccacgc ggtgttctga ggggagcgtt tatttcaagc naccgatggg acaaacantc 60
ccaggcttcc caggtgnan tgnccggggc ggcacacctc cttccagcgg cctccaacgc 120
ggcccttccc tgcccccctc cggaacttct gggcgtggct gatgcgggtg tacagcacgt 180
tgatctcata tttctgctgt ttcagcttcg ccatcaggct gaacttctca gactccagct 240
ggtggatcca gtccgacagc tcttgggctt tctcccggag ctgttccctc cccatgtaag 300
tcaatgttca agagggttc ttaacgctcg gaaaaggaat gcgcaccttc atctcccggc 360
ccccgtctgg 370

<210> 40
<211> 406
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA086264

<220>
<221> unsure
<222> (1)..(406)
<223> n = a or c or g or t

<400> 40
tttttttttt tttttttttt tttttttttt tttttttttt tttttccan ggaaacactt 60
ttatttcngg aagtcagaag aaaaacaang ngcacacctt gaatgacaca gagcggcagn 120
tggaaccac aggggctgcc ganagctggc ctttcacagc agaccactgt tttccagtga 180
gaatgggtgg ccattccaaa acaaagctaa agggttccaa acatccagaa tggaagctgc 240

```

ttcccccaac tccattacct atactacagg atggattgct ttttgtgaga ccccttcttc 300
cactgggcaa ttttnggcac tatttaccct ccccccgatt tttaaaagct aaaatggcgt 360
cccagggaag aagtgccggc ttggatgcan gcttggggcca ntcact 406

```

```

<210> 41
<211> 250
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA091278

```

```

<400> 41
gtttgccttc taattgatca tttagactat tctggctaag tctgcccaca tgtaattacc 60
ggctaattca agcgaggaaa aatgtaagtc atttagacca aagccaagca gtttctttgc 120
gtgggttact caagggtctg tggttacttg tatctcctct atgtgaactt gactttgaaa 180
gacagagctc tagtgtgccca gcctgctaag tctgtgaaga atagggaggg cggagggggg 240
ggcagtacta 250

```

```

<210> 42
<211> 307
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA092716

```

```

<400> 42
gcgagtctgg aactctttct tcggggcccc ggggcacacc atggagggtct cctggtgaat 60
ggcccttggt gccctagagt gggacccagc cctcacctcc cccagagcta acctgggagg 120
tgctgaaggg gcattggggc accgtaagca agggaaaaag ggcagatcat gcggggagat 180
gaccttgatc tttgattgct accctaacct tgacctttaa cccgtgatcc ccccagctcc 240
tgagagagat tctaatatct cttagggacc agaccctaaa ttctctctcc ccatttgatg 300
ttagtgg 307

```

```

<210> 43
<211> 309
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA093923

```

```

<400> 43
gtcataatgg accagtcatt tgatttcagt atatacaact ccaccagacc cctccaaccc 60
atataacacc ccacccctgt tcgcttcctg tatggtgata tcatatgtaa catttactcc 120
tgtttctgct gattgttttt ttaatgtttg gggttggttt tgacatcagc tgtaatcatt 180
cctgtgctgt gtttttgatt accctggtag gtattagact gcacttttta aaaaagggtc 240
tgcatcgtgg agcatttgac cacagtggac gcgtggctat gcagggtgatt cctcagtcct 300
ccttgggtct 309

```

```

<210> 44
<211> 271
<212> DNA
<213> Homo sapiens

```

<220>
<223> Genbank Accession No. AA094800

<400> 44
gcgactgcag aaaaagtcc agaaacaatt tgggggttagg cagaaatggg atcagaaatc 60
acagaaaccc cgagactcct cagttgaagt tcgtagtgat tgggaagtga aagaggaaat 120
ggattttcct cagttgatga agatgcgcta cttggaagta tcagagccac aggacattga 180
gtgttggttg gccctagaat actacgacaa agcctttgac cgcatacaca cgaggagtag 240
aggccactgc ggcatacaag gcactctcac a 271

<210> 45
<211> 323
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA099820

<220>
<221> unsure
<222> (1) .. (323)
<223> n = a or c or g or t

<400> 45
gtgacatggt ttttgcttta ttgaaattct ctcttacaaa aggtctgang tatttttaggc 60
caggcctaatt ttgctttggt ccctgaaatg caggcccatg gtcatttcca tgcctctga 120
agtaggtatg taaactagta gacttccatt tttaagggtc acacactttt taacattggt 180
tttatttgat gtaaaacaag acttatgttg tccctaattg aaagaccaag taagagaggt 240
atgtgcgtct tcatggaagg gataactgga ttctttgcc a gaaccgggtt gggaatttag 300
tttgttcaat gtggcatctt tca 323

<210> 46
<211> 431
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA101767

<400> 46
catttcataa ataatgtact ttattttatt gcatatggct attaaggagg gcatccatga 60
tcaatacaga ctaaatacaa tgcactattc tagtccagtt tattctcgtc tccagcagca 120
tcacattgac ccctatatac agcgtgtaca gtggaagaca gagcaagata agttaagtct 180
cttgtcatat cacaatagca agaaatatat ttaacatctt gatatccaga aacaatacgt 240
acccaaaaag aaaacactgt ttaataactg ttaaagttta tatagcaaaa aatattttta 300
atttaaggta agtcaggcaa aatgtacaaa gacccaatat acattgtgaa gtttttagcaa 360
acataacatt tatacatctt ggttccattc tgtaaaactaa attaaaaatg gtaaatattg 420
catatgcctt t 431

<210> 47
<211> 260
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA102489

```

<400> 47
agtctacaag ttcagaccca catgtaacgg attttttgcctt catggttgct agaggctagt 60
gtgcattatt tctgaggatt atatccaatg acacgacgca gaaaacacaa atggacggac 120
agacggatgg acataatcat taagacaaga gactctaaaa cgtgccttag tgtccacgtg 180
attgatctaa ggcgggggacc cttctaaggt ggggaccgca gtgatctaaa gcaggggtggc 240
ttccagcaca aggggtgccga                                     260

```

```

<210> 48
<211> 365
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA121142

```

```

<220>
<221> unsure
<222> (1)..(365)
<223> n = a or c or g or t

```

```

<400> 48
tttttttttt ttttcaacaa actcagcttg actttattac atggaagctt gcagggagcc 60
agcggggaag gcctgtctgg gcaggaactc catggctggg ctggactgga ctgagcagtt 120
ggtgtttccag atctgccggg gagaccagat caacagcctg cctcttcagt ttatatccgg 180
aagactcgcc caggtcctgg ctacttgggg ccaaggtagg aaacagcctt tcctgttttg 240
ttgagggttg ccancagggg gtctgagctg tgcccaaagt cgatgcagac cttctttttg 300
ggcaagggtca atgttgaact ccantcctcc caagcttggt tgaaggactc tggaaaacgg 360
gtttt                                             365

```

```

<210> 49
<211> 261
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA127946

```

```

<220>
<221> unsure
<222> (1)..(261)
<223> n = a or c or g or t

```

```

<400> 49
ttaaagtgaag agaaacttta ttttgagtaa tatacatatc attcattcca ttttaattttc 60
atagctatgc nctatgaaaa ttaaattggaa tgagtaatat acatatcatt cattccattt 120
aattttcata gtgcatagct atgtgtagaa gtacacaggg aagaataaac attagaaata 180
cctagccatg aaaatataca agtgaagaca tttgatatat ccatggaacng gcttggaagt 240
attataaaac aggatccatt a                                     261

```

```

<210> 50
<211> 444
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA130349

```

<220>
 <221> unsure
 <222> (1)..(444)
 <223> n = a or c or g or t

<400> 50
 tacaaaaaac aattgttatt tgtgtacttt taaaacctca cagtaatatatt ttcacactac 60
 cttcttggct gaaagttcac actcggaatt ccagagcagt ccatggccag gccactggn 120
 tcccccttgc ctctccttgg ctttggtaac cactggcccc agggactcag cctgctttcc 180
 tatccatccc ctccagtagct gtcaccatgc aggttacctt ttctgtttct tctaccacta 240
 actccatgct tgactgcaag tgaaaggaac agaagcccaa acctttgggt ttttaaggagt 300
 ttattgctaa tctgtaaaac agaaagagac aggagataag catgacaaaa tatagggaag 360
 aaatgacttt tgctctaaact tccaaactgt gtacaattga agcctccgct ttatagctct 420
 tagcacacct ctcaaataag aagg 444

<210> 51
 <211> 616
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA131322

<220>
 <221> unsure
 <222> (1)..(616)
 <223> n = a or c or g or t

<400> 51
 gatttccatg cactttaatg aggtccagca ctcaggagga ttagcgccca ccaccagctg 60
 cctgggcagg ggagggccgg agcaggtngc aggcgtcagg cttaggacag ggaagggggc 120
 tcaggatggg gaagggtcct caggacaggg gaaggggctc agaagagagc agggggctta 180
 ggacaggaag gggcactcag gacggggcag ggaagggtgtg gggggcagtc gccacctggg 240
 taggaagcag tgggtgtttg gacaggaggg gctggctctc cagtgaccca ggtggacacc 300
 ccaggcctga ctcacggctt tttggggaca tagtggtgga tccagtccaa gtagtaggtg 360
 acacgggtgt agatgccagg ccggttgggc tgggcacagc tncgntccca gctgaccacg 420
 cccgcctgta gccagggtgcc attcaccttg cacaccaggg gccctccaga gttcgccctg 480
 gcatgagtc ctccggtgtt cccggcacac agcatgtcgt tcacggatga tgccgacgct 540
 gtctcccgct taggcgccaa agtggtatct gcgtcacaaa tgtgggtttcc attatgggga 600
 ccttcactgc ttcagg 616

<210> 52
 <211> 464
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA131919

<220>
 <221> unsure
 <222> (1)..(464)
 <223> n = a or c or g or t

<400> 52
 tttttttttt tcttgagtaa ttttttattt tgtgcagaga caggatccag aactcctggg 60

```

ctcaagtgat cctcccaactt tggctctccca atgtgctaga attacagccc tgagccacgg 120
ccccatgccc cgtttttacc agtgtatatatt ttctactgga aaatgagact tttaggggatg 180
aatgtggact tgtctgttga aacttgtaaa ttgtcttaaa aaaaaaaaga tctccaagtc 240
ttcacaaaat tttatattcc ccaaggctgc cccatcacaa tgctgtgaa gcttgactgg 300
cagacactga ggcctgaagc tgggggctgc aggggggtcac tggctcaccc ggcccccccg 360
taatctgtaa aacatactgg gtgaggaggagg ctgctggagg acctgaatct ctcccttctc 420
caggcagtag tgaggcatat gctgntggcc ttgggccaat taaa 464

```

<210> 53

<211> 393

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA133756

<400> 53

```

ctccatttat tttattttat ttttttataa aaaagcaggc ataaaataca attacattac 60
tacgaagatg caacaaaatt ttaaaaaaga aaaaggggtg caattttttt cagagaggac 120
agctgatcaa atatttataa ttttctaaac catgcagttc attacttatt acaattccaa 180
acaaaactca ttattatggg gatgggagtc agggagaggc cccccccaa gcatgatatac 240
cagcgtgtgc acacagtgtc tatgttcaaa gtgcttataa atggtgtctt cacagcatag 300
ggaagctgaa gccttattcc agggaaggag aggtgagtca gtagcagtgt ccaatggcag 360
actcagaaag ctcggcagtg acttgctcaa aat 393

```

<210> 54

<211> 398

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA135870

<400> 54

```

aaaatttaaa ataaaatttt attttatctt atactcaagt tcagacaata gcatgtggtg 60
tacattcaaa atttttgaca ggtacagagc acattaaaaa atgaagacat gatcaaggag 120
atgtaagaga caaatagaca acaacattct ccctgaatct ggaaaaaagc aagcaataag 180
atcacgaaag gcagctgtaa aacaggatta ttctgcatgt gttgcccaca actagggcaa 240
ggttatctct catcacaagt acaaagccat tgatgttagt gtgtaacaga gagaaaacag 300
aggatttgta cagctgagga aataaatggc agatgttaca caggaagcaa tataacatgg 360
tcattaagta actgtattca accctcaa attaatttt 398

```

<210> 55

<211> 390

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA135929

<220>

<221> unsure

<222> (1)..(390)

<223> n = a or c or g or t

<400> 55


```

aaagatatca attatatatg tatataaaaa aaaaacctca ctttccccac aaaaagcaca 60
atactgttat cacaaaaaaa atcatcatcc tcataattaa tcatacctagc cacgcagggtg 120
tntttgctgc caaaagatgg gacgacaaat aacgttgacc aggcagaacc cctagacacc 180
ctcggccccac ccacagcctc tccggctgcc gaagacgagg gacgagggca aggcagagtt 240
ctctgagggtc cccaggcctt caccocatct gtcagtctgt gtcttctagg acagaaggta 300
gttggtttttt tttcttttaa aacgtctgtt caaaataaaa aacaaaagca cacgcgcaag 360
agaagcggggg aggaacggag gctgcctgcg                                     390

```

<210> 56

<211> 511

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA142858

<400> 56

```

tttttttttt ttttttttca aggggaaact ggggcagttt tattgacgat ggcaatgtac 60
aagactccac acctagggtat gtgcacgagg taaggcctga gctcaggcct tatgatcctc 120
ctcaggaccc ttggggggcaa acttctcctg cagtttcttc cacatgcctt tatctatttc 180
cttaagctct tccaagggtgt ctgtggacag gatcagcttg tactcttcca acgacaggcc 240
actgaagctg gtgtctctgg ggcgagggtta cttgtgtttg tagtagtttg aatggagtcg 300
cgctaagtct cgtacatctg atcacaggcc tcaggctctg aacctgggta ttctctccct 360
cccgaaggcc ctgtgctacc cgctgtcgca ggtaagcgcc caagtcccgg ccccgtttgg 420
tctcgtccac tggccattcc tcacagagct taagaaaacg ccggtaccgt gggccgccat 480
ttggggccccg cgtgttccccg cccctcgtgc c                                     511

```

<210> 57

<211> 341

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA147224

<220>

<221> unsure

<222> (1)..(341)

<223> n = a or c or g or t

<400> 57

```

aatacatttt cacagtgtgc tgaatgtctt tatttacaag atatcattct atagtgaata 60
tgaacaaaac gaatgtgcat ggttgaaata actgcttgat taaaaatgtg ctgtgaagat 120
gaatcactaa tctttctaata gcactctgat aacacaataa acatggaaaa atactaatcc 180
cctaatagat cnaaatatag natatagncc ccnaaatatt tcnggggggat ggattttcct 240
tcngagggtt cncaaaaagg naaaanggaa atggnttccc ccagccaatg gtttagccaa 300
atattggggg aaatgccccat tccaatggga aaaacccgga t                                     341

```

<210> 58

<211> 561

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA149579

<220>
 <221> unsure
 <222> (1)..(561)
 <223> n = a or c or g or t

<400> 58
 atagtaaata tattacattt attotaaaac ttcaaaatta ttctgttttt gtagtactga 60
 aaaaaagaca gtgccatttg aaacaacaga tgcattcttt atacattttc acaagtttgt 120
 ttttcatatt tttaaaggcc ccatttatct gtaacagtgg tatttttatt tagagtatcg 180
 gctacttaat atatacatgc aacaatatat gctttaatag tcattttaact tttaggaata 240
 tttcatcaca ttaagtgggt aagcatagtg ttaaaagagt ggaatttaag gaataagaaa 300
 atattgaaaa tacgctgtta ttttcatttg ttcactataa tagaatgttt ttgcccataa 360
 aagttatcat tgcccaactg aattcctacc aagaactaac aagtgattct cagtggggag 420
 aantttnttt nntnngaata tagagggctc gttagaaagt gcagatntag gcggggcgct 480
 antcacaccg taatccagca cttggaggcc aggcggggcg tcacgangta ggagatcgag 540
 accatccggc tacacggtga a 561

<210> 59
 <211> 420
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA150920

<220>
 <221> unsure
 <222> (1)..(420)
 <223> n = a or c or g or t

<400> 59
 agcgttgtaa ggtttatttg ggtagggaag gggacaagtg aggttaactga tccttgcttt 60
 gtagacagtg caagacaatt atttgtggtg aagggactgt atgccaacaa acgttactca 120
 tgcttttagtt aaaactttta gtcacctaaa acagaaacaa ttctnaagaa cactgggtga 180
 aaatagaagt gtaaagtgtt cagacaaaac caaggcattg tcagcacgat gtacattata 240
 cggcagatan nacagccaca tcctaggcca cagagcagat cccaagagcc ccaggcatgc 300
 aggagagttt taaaggaaca gacggaaatt ttaactgtga aaaccacgaa atttcatgac 360
 ttttggtcag ctacnaccoc aactaatata tgaccattaa gagtaaaatt ctgaccttta 420

<210> 60
 <211> 426
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA151210

<220>
 <221> unsure
 <222> (1)..(426)
 <223> n = a or c or g or t

<400> 60
 tttttttttt tttctggatg aatacatgtt ctggtcttgt tacaggttct ggtaaatacag 60
 atggagaaat gttgttcag aaatgtcagc aaactttaca gcagtagttc acacatgcag 120

```

ctactatata ttcattcatt gctatthttcc taagaaatgg agcaacctag gagctttatgc 180
tacagtagat tccaatgaac cataatgact acttcaagaa caaagaagca catncaaagg 240
tgtgatatct tccgtgttggg ttgagthttc aaacctgaaa ttcttttaaaa tacattttctg 300
ggatttttatt taaatattga tgcnacacac ctaaaaagca gtgactttctt gggtaaaaatg 360
taatactgaa atggaaaaatt gtctthttcaa aaaaataaga agtgtgtgtt ggaaattccc 420
cgtgcc                                           426

```

```

<210> 61
<211> 400
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA151428

```

```

<220>
<221> unsure
<222> (1)..(400)
<223> n = a or c or g or t

```

```

<400> 61
cagagagaaa gtgctttatc agccgggctc agcccgacaca cggactcgcc aggagtaggt 60
ggtcagcacg cgctgctggc ggcnacacg cagggtgtagg tgccctcatt gacggcggtg 120
gcgatgatgc tcagggtgcg ctcgcccagg gccaggtagc cggggtagga gaactccagg 180
ggctcctggg ccttgtagca gtacactttc cctttcttgt ggaggatctt ctggcccgag 240
cggaagggtca cgttcctgcc ctcggnacca agcctgggtt tggctcctggg gggcggtggn 300
gggtggttggc caccgtgggg aaaggggaat ttctgtagca gaaantccgc aagctngctt 360
ggggggcaaaa agcttccttt ccantgaagn cccgcccggga                                           400

```

```

<210> 62
<211> 502
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA151544

```

```

<220>
<221> unsure
<222> (1)..(502)
<223> n = a or c or g or t

```

```

<400> 62
caggacgagc tgtggggggt gcaccggctc tacggatgcc tcgacaggct gtctgtgtgc 60
gcgtcctggg cnggaggggc ttctgcgacg ctcgccggcg gtcnatgaag aggctctgcc 120
cagcagctgc gacttctgct acgaattccc ctccccacg gtggccacca acccaccgnc 180
ccccaaggac caaaaccagg ctgggtgccg ggnaggaacg tgaccttcg ctgcccag 240
aagatcctcc acaagaaagg gaaagtgtac tggtagaagg accaaggaag cccctggaag 300
ttctcctacc cgggctacct ggcccttggg cgaaggcgca ccttgaagca tcatcgccaa 360
cgccgtcaat gagggcacct acacctgcgt ggttgccgag ccagcagcng ttgctgacca 420
cctactcctt ggcgagttcc gtgtgcgggg ctgagcggct tgaataaagc aatttctctc 480
tgaaaaaaaa aaaaaaaaaa ag                                           502

```

```

<210> 63
<211> 285
<212> DNA

```

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA152200

<220>

<221> unsure

<222> (1)..(285)

<223> n = a or c or g or t

<400> 63

```
tactcttccc tcttcattta ttttggaatg tgctagaaac agcttgaaac atccctttaa 60
tagcttcccg gcctcacgag tgttgaatga catgacgaat tctccttcat agaaggtaca 120
ggtgaaccag aactggaggg gcatttgagg tcttctcttc ttcagaaagt gcgatcgcat 180
caagatgcat gtgggttttca gtagaactgg cccatgtttc ttgggagcga ggtgtccaaa 240
ccactgttca tccatatttc cnggatgatt tgctccnngg gctca 285
```

<210> 64

<211> 457

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA156565

<400> 64

```
atagtaaata ttttaattgtt tccatcagca attccagcac aagttttcct ggatggtagg 60
cagaatcaag ctacccaagg gttcatgatg aggtatgggg gtcactgagg agacccccag 120
agtcactgac cctccccgcc acctccacac accaggtggc cctgcagaat gaggggttggg 180
ctgatagaat gtcaattagg ggagacagga tacaggggtga gggaacaggg tctagcttgt 240
atatttgcct gcaggaagga gggagggcag gagagactct gcatagaagg actggaacta 300
cacatttaag ttttcaaccc caatatgcag ggggaaacag ccaagccact ctccatctgt 360
ctagtattag gaacctctct tcaagtggtc ttttgtcatt tctgttcttc ttcccaattc 420
tgtattccag attccaaatt ctacaattga aacccaa 457
```

<210> 65

<211> 428

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA156897

<400> 65

```
cagacatgga aatataattt taaaaaattt ctctccaacc tcttccaaat tcagtcacca 60
ctgttatatt accttctcca ggaaccctcc agtggggaag gctgcgatat tagatttctt 120
tgtatgcaaa gtttttgttg aaagctgtgc tcagaggagg tgagaggaga ggaaggagaa 180
aactgcatca taactttaca gaattgaatc tagagtcttc cccgaaaagc ccagaaactt 240
ctctgcagta tctggcttgt ccactctggtc taaggtgggt gcttcttccc cagccatgag 300
tcagtttgtg cccatgaata atacacgacc tgttatttcc atgactgctt tactgtattt 360
ttaaggtcaa tatactgtac atttgataat aaaataatat tctcccaaaa aaaaaaaaaa 420
aaaaaaag 428
```

<210> 66

<211> 602

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA158262

<220>

<221> unsure

<222> (1)..(602)

<223> n = a or c or g or t

<400> 66

```
ggtcgagctc aggttctgct tgccgggtgc ccagtgaagc cgacagagcc tcgagtgctt 60
gatcactcat tgtatccttc tccacctttc ttttcttctc ttgggggtgga gcagcacttc 120
tgactgtccc tgctgactga gcttttaaaa cttctgtaga ttctcttttt tcagttttct 180
ttccagcagc tgtaggcgac ccacaggtga agtcagatga caaggcgtct atagcatcat 240
ctggccctat gggtttagcc aatagttccc tatatttttg aggaattgtg acttctcttt 300
tacccaattc ctctatgtag gtggaactca ttggatctga aacttctggt ccagtatacg 360
ttgtattttc ttcttcagtt tcttcaggtc ctctaaagt atctattaag tcatccaaag 420
cagcatccat gcctgacttt cccgatgggt tatccgggtt agattcaact ggacagctg 480
gggttaatga tttcttttct ttttcttctg caccgggtt gcagatattg cagtatacc 540
agcaacantc tctccaccag cagaaatcat gtcttgtggg ttagtctttg ggtcnggtga 600
tt 602
```

<210> 67

<211> 392

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA159025

<400> 67

```
ttgatgtcta gaaacatctt ttatttgggt aacagggtccc aaaacaggtc agttaataaa 60
atagattcta aagaatatgt ccctatgcac agccctccct ccccaaaaat aacgctgggg 120
gtaggcattg cttttccccc ttgggtcctt cgggtgtatt taaaaaatg ttttggcagc 180
tcagtgttta tcatctgggc atgggacacc atgtccatgt ccccatattc ctagggtaca 240
gcagcagtag atggctgcaa caaccttcct cctaccccag cccagaaaat atttctgccc 300
caccacagga tccgggacca aaataaagag caagcaggcc cccttactg aggtgctggg 360
tagggctcag tgccacatta ctgtgctttg ag 392
```

<210> 68

<211> 476

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA165312

<220>

<221> unsure

<222> (1)..(476)

<223> n = a or c or g or t

<400> 68

```
tcgtnnctc ggttctgaga aataggcact ggcaatttac acatgccttg ctgtgtaatc 60
tcactatatt tgctcaggca aagtgggaga agcagcctta ggttttcatt ctagagatgc 120
```

```

cggttttccc acctgatcgg cttagagttc acgattgact gttttgggct tcatttcacc 180
ctctacataa caagcgggtg gactagatgc cttagcaagg gtccgtgttg tgtggtgtct 240
ccagccacgc actcagctca atcttagcac agttaaaaaa tgcctttcta gcaagttatc 300
tgcccagtgct ctgaaaaagt atcatttctt gtgttcaata aaaaagcctc ctaatttaat 360
caaggaccta tggagataac tgtcttttag ttgtggcatt gcaaggatac aaatgcagag 420
atatttttaa agtgatcctt ctgtaagagt gaaccacga tatgatctgg nagcaa 476

```

```

<210> 69
<211> 479
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA165313

```

```

<220>
<221> unsure
<222> (1)..(479)
<223> n = a or c or g or t

```

```

<400> 69
cacaagcccc cacgtccata gccaaagttt ccccggttcc ccagcagcca gtgacttctg 60
tagcattagg attcttatag tagttattgt ctacatttct cagcagattg aatatgtact 120
gcctcttact actggactgt ttattcttaa atgtgtacag tatggattta tgtcgtctat 180
atattatgca tttatttgtc ttcttcgttg tgatggtaag ctcttgagg gcaagtcttg 240
catccactgc tttgtcggca acccgactgg taagcttctg gaaggcaagg cttgcatcca 300
gtgctttgct ggcaaccgga ttgctaagta ccgtgtttta agcttagttc agtctcaagt 360
gtttgcagcc acatctgaag accaataaag caactgctgg gtttatcccn tgggagctga 420
cagaatttcc tctcccaaata accatanaca ggaaaatcat aagcctgaat taccgggtg 479

```

```

<210> 70
<211> 298
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA171939

```

```

<220>
<221> unsure
<222> (1)..(298)
<223> n = a or c or g or t

```

```

<400> 70
ttttttgagg cacctgtggg actttattag gtaaacagac cccagctcca gccacagggt 60
ggaccggcca gctgacagtg cggcctcaga ccccccgcc aggttccctc ctccctcctc 120
tctcagggtc accagtgtgt gaaagatcgg ggcattgccg ccacaggggg aagcagggtt 180
caggetgccc cacctgggtc tggccctggc aggcgcccc tcacctggtc ctgctgtggg 240
anccgagaac aaagacatna cctgcctggc tctgctgccc ccgggggggtc agcnagca 298

```

```

<210> 71
<211> 596
<212> DNA
<213> Homo sapiens

```

```

<220>

```

<223> Genbank Accession No. AA173223

<220>

<221> unsure

<222> (1) .. (596)

<223> n = a or c or g or t

<400> 71

```
tttttttttt ttcagccaaa ttcataattta ttccagtctc taacactctg ttgttatgtc 60
tgctgtaaga tgatcaggag ttagtatgaa gtattcttct ctacgcacca aagaaaacaa 120
acaaagcaaa cttcaagtca gtgaattagt taccacagtt aaaatgcatt tgattttgtc 180
cttttccttt ttcacaagaa cgacagctga atactctttc atgtgatgcc tgatattttt 240
ctttttcttt ttctctcttt tttagagacag ggtctttaag atggggctctc gctctgttgc 300
ccaggttgga gtgcagtggg gcaatcttgg ctcatgcaa cctcagcctc ctgttttcaa 360
gtgattcttc tgactcagcc tcccaggtag ctgggattac aggcattgtgc accgtgcccg 420
gctaattttt gtatttttag tagagatggg ggnttcacca tgttggccag gatggctctc 480
aactcctgac ctgaagtgat ccacccgcct cggcctccca aaagtgtctg ggattaccgg 540
tgtgagccac tgtgccagct ctgatggtga aaatttcngg tacaggccta gccan 596
```

<210> 72

<211> 408

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA180314

<400> 72

```
ttagcaaaaa cagctttttt attgtggtag ttgtggtat gtgctcctgg atcatgcaga 60
aaaaaggctg ggcctcagtt agctccggga gccattctta ggaccctccg gctgcacaca 120
gagaggggct gggtagctgg ctgggctggg gcacgcattc actgggctgg cacaggctga 180
ggggtctctc gccactatc attaggcccc tccagcccggt tatgctcagc ccccggtca 240
ggatgctcca gggcgtgccg ggtatcagcc tgccagagct gcaccaggct cgtcggggctc 300
tttctgcca ggttcttggg catcatgtca gccccatgca ggagcagcag ttgatgatt 360
ttgtagcggg tgagcctcac agcgtcatgc agggcagtat ccctcgtg 408
```

<210> 73

<211> 479

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA182030

<220>

<221> unsure

<222> (1) .. (479)

<223> n = a or c or g or t

<400> 73

```
atcatcataa aaaatattta ttataaaaaa ttatcacatt tctctgtaca tagcataaag 60
acaaaaacac aatgtataca ttaataaatt aagtgggcct gagtattcag tatccatcta 120
ctagaatcct aaagctcttc cccagatttc acaaaggcca atgtagatta tttctatttt 180
atcaaagttc atttgcacag ttgggtgtaat tgagatacta acatttcttt tttctagtgt 240
tttaaagata gttcacagta tttaggttaa ttaattaatc aactgattta aatctttggg 300
aaatacaagt atttacatgt aaaaatgttt agctcaaatt tcagtaaaaa actggaaatg 360
```

accaataacc tactgccaac tgttttggtg taatccagaa atgcatgagc cggactccca 420
ccattaagaa atggcactgt cnaggacctc ngatgataaa actggaatcc ncaaaaaat 479

<210> 74
<211> 313
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA182882

<220>
<221> unsure
<222> (1) .. (313)
<223> n = a or c or g or t

<400> 74
ttctggcaca tgattgagca tttattgagg cactaacaga ggggtgctggg ggccccacca 60
tccttgcttc tgcccttttc acctccccct cctcccagc ttcttctgcc tagagcggtc 120
cagattcccc tcacattttc ctggatcagg gccactcctc ccaggcacct cttgccctca 180
ccagtacctt ttgtcccttc tcctgggggt gaggggtcctc agctgtgctg gnccccaact 240
ctccaccctt agtgcccact gtctctgcca cctcccctt ggaactcagg gggctcaggc 300
atcctggcct ctg 313

<210> 75
<211> 258
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA188981

<220>
<221> unsure
<222> (1) .. (258)
<223> n = a or c or g or t

<400> 75
tttacacttt actgagacaa tttattcac tatggatata tatacatgat caacatttta 60
tcttcattct tcagaagact taattagagt agctttcttc tcatacttat ctctaatttc 120
tttaatatatt tccgagagat cttctgacat gcattcntca tattctctat caacttttagc 180
aatctgctcc tcaagatgtt tctctacaga cccaacatgt gtagcaacca tctctaacag 240
acgttgcaag ttaatttc 258

<210> 76
<211> 506
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA189083

<400> 76
ttttttttat tccaaatgtc tttattgaaa cagaatgata gagcaagaaa taatgaggtc 60
tggttgatg tctttgggag caggatggag cccagacca gtggttacag tgtggagctc 120
tctccctgtc cctgactct ggccaaggaa gtgaatgcaa agcagcaggg aggaggcagg 180


```

gtggggacgg ccctctgagc tctccgcgat ggctggcgtg aggtgcctct gagacttctg 240
ggcagccctg ccttccctac tcagtcttcc cgatcttctt gccaccttcc tgtgtgggccc 300
agcctcccg cagtaactca gaggccgctc agagggcagg gttgggggtg gcaagcagcg 360
ggacgtggtc acagcgggta ggggggtggc gccgcagcag ggaaggccgg cgacacagct 420
ccccgtccc gagcacctcg ggcaggagct tgcgcttggt ctccggaagc agcataatgc 480
tgaagaatgc agaagagggc gcaagc 506

```

```

<210> 77
<211> 513
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA193197

```

```

<220>
<221> unsure
<222> (1)..(513)
<223> n = a or c or g or t

```

```

<400> 77
tttttgaatt tgactacttt tacttacaag agacttttcc ccatcaaacg atttcccat 60
ccatttatta cacttctgaa gtaggatttc tgaagtcac ttatggcatg taattcttag 120
tataatgcac aggattcctg tcattttgaa gcacgaggag aggtttttga tatcttaaac 180
atttttttag tgtagatgca catattctcc acttccaatt gtaatagaaa atcagtttaa 240
ggatacccta atgatgcaaa tgaaatgatt agcaaacaac tcaaatttag gagccttctt 300
tacaatccat tgagtgaaac agattcaca aataatttgt tcaactgaag atttaattta 360
ttattagaaa atggttttaa actctgatca ttacattgaa gagtcaatga ctgagggttt 420
cttacctact ggctcatctc ttagacaata acttcttgaa taatttcnac atgagtgtct 480
gtacaagctt ttaaaaaacc gaataaatta aag 513

```

```

<210> 78
<211> 499
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA195678

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```

<220>
<221> unsure
<222> (1)..(499)
<223> n = a or c or g or t

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```

<400> 78
gaaaatttgc ctccctggtaa ccctgtaatg gatggggccc agaaatgaaa tatttgagaa 60
aaacaagtga aaaggtcaag atacaaatgt gtattaaaaa aaaaaagcct attaataggg 120
tttctgcgcg gtgcagggtt gtaaacctgc ntttatcttt taggattatt cctaaatgca 180
tcttctttat aaacttgact tgctatctca gcaagataaa ttatattaaa aaaataagaa 240
tcctgcagtg ttttaaggaac tctttttttg taaatcacgg acacctcaat tagcaagaac 300
tgaggggagg gctttttcca ttgtttaatg ttttgtgatt tttagctaaa gagagggaac 360
ctcatctaag taacatttgc acatgataca gcaaaaggag ttcattgcaa tactgtcttt 420
ggatattgtt tcagtactgg gtgtttaaag gacaaatagc tgctagaatt caggggtaaa 480
tgtaagtgtt cagaaaacg 499

```

```

<210> 79

```

<211> 463
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA197112

<220>
<221> unsure
<222> (1)..(463)
<223> n = a or c or g or t

<400> 79
aaagtataaa gtgtttttgga aaaaaaggaa aaaaatctat ataaaaatct cttcacatat 60
aaaatcctga agaagggtgca aggtgagacc cagtgcgagg ggcggtgctca gatatgcagt 120
gtgtgtgtgt gtgtgtgtgt gtgtgtatcc gtgtgtacat gtgtgcacgt gtgtcgtatg 180
tgtctgtgtg tctgtgtgtg tgtgtgtgtg tgtgtgtgtg tgtgtggtgg gtgcaagtgc 240
acgtgtggcc cacagagggg ggggagaaaag cttggccttt tacttccatc caggagggaa 300
ggagggcggc tggtcctcca gccttggagg gtctgcagct gggcgggacc tctactcagc 360
caggctgttg cgcacgcact ccttctcctg gagggcgggc atggcaagac gcagggtgctc 420
cttcagctgc tcgatctccc gctcagaccg tgtctngatg tga 463

<210> 80
<211> 404
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA205376

<400> 80
aagatttgaa ttttttttat tatcccagca aacattacac tagagaaaat gattgggaaa 60
atacaaataa gttcattaaa aacacaggct gattattcat atctattaca ttcagaatta 120
tgcgaaacaa ttagttatat tgcaaaagctg taattctttt tctaacaaag catgatttta 180
taaaacttta atgttgccac tgattcaatt ttaatacaaa atacttatat acacaatata 240
atataaaagt aaactgtgta gtgccttcca caaagggata tattaaggcg ctttacaat 300
ataccaatat tttgacccaa attacttttt gctttagatt aaaatgaaca ggctaaatgt 360
tccactttaa ataccaaagg gatggtttat taaaaatttt ttat 404

<210> 81
<211> 523
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA205724

<220>
<221> unsure
<222> (1)..(523)
<223> n = a or c or g or t

<400> 81
cccattgggt gacagcgttt attgaaagga aatcttgctt tatccaggaa ttcactcaca 60
tgagggtagc tgcaaggaga atgtctcttt ctcacgacaa ccaaagcgac caaaccatac 120
cctaaagcag agacgcaatg gaataagtca acgggcattg tagaacgaca ctcagaagca 180

```

ggaaaaacca taaaagatac aggatgattg tctcttcagt attgcatttg gccatgtatg 240
tgttttttaca taaaatatat gttttctttt taagctagct aaagaaaata ctcttgatcg 300
ggggttagttc ttaaagcaaa aaacagaaga aaagtatgta tatataatan aattaaagaa 360
cgatagcatg ttatacctgg aaaggaccgt gggcactaat ctgcactttg ttccaggtaa 420
tccatggctc tgagagtgg cactgtgca aagtcactgg ggtgagatga gccgggactt 480
ggaaaaccct ctcttaactt tcagtctcaa ctctccac tcc 523

```

```

<210> 82
<211> 587
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA211443

```

```

<220>
<221> unsure
<222> (1)..(587)
<223> n = a or c or g or t

```

```

<400> 82
catttagtca aatatttatt tgaactcata caaagtttag tgacataatt taaaagggtga 60
agaactaaaa cgcattccaa atattgacca aaatactgta ggaagtagct tgggaaactt 120
ttcatcaaaa tcgttaggca cattgccata tcattctcca taaaatcata tccctcctca 180
aaaccacacc ctccagggtg tgaatttatg ggctaatttg ttctgtgagg tgccaaaaat 240
gaagataaag taagaaatac agccaactag aaggaagaga tataaatgta caaacaggcc 300
atttctgcta gagtctcagg cattcaggag gttcacaaatc atcatacaaa tatataaaat 360
tttagtgagc tattgaatcc atcttctgcc tctttatttc ttcacatcaa tccttttttc 420
ttcctactac tggtcagctt tggggacata ttttaggttc acttttaata ttctggattt 480
ccgatagatt gactgcaggc cggggagggt cctcgctccn ggaattggct tcttctcctc 540
atccgagggt ggaggacacc ctctccact tcgggggaca ttctttt 587

```

```

<210> 83
<211> 382
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA214688

```

```

<400> 83
gtttgttttg tggggttaca cggggttcaa catgcgtatc gaaaagtgtt atttctgttc 60
ggggcccatc tatcctggac acggcatgat gttcgtccgc aacgattgca aggtgttcag 120
attttgcaaa tctaaatgtc ataaaaactt taaagagaag cgcaatcctc gcaaagttag 180
gtggaccaca gcattccgga aagcagctgg taaagagctt acagtggata attcatttga 240
atgtgaaaaa cgtagaaatg aacctatcaa ataccagcga gagctatgga ataaaaactat 300
tgatgcgatg aagagagttg aagaaatcaa acagaagcgc caagctaatt tataatgacc 360
agtttaggaa aataagagct ca 382

```

```

<210> 84
<211> 398
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA216589

```

<400> 84
 cacaaattta agtttggttt atatatttta ttgacatggt tactcaatgt ccacatcatt 60
 ccactctgcat cgtcttccta caaacagttt ttcttctact attcggttat ttctcctttt 120
 tttgtttcct atttcagaat caaattttatt ttacttgcaa agtcagtggga atatgggtttg 180
 gaaccagtag ggcctctaac ttaagcccag aacctgtcaa agagaagtgc agtatcattg 240
 ctaagacttg aacagtttat ctctcagaat cttcagttcc tttgaatttc tcagctctta 300
 gtgtaatctg ttttatgtgt ttgttgtaga cttccattta tgggatagat ttccaaaata 360
 attttgggta atccaactgg gtatttttagc attcccgg 398

<210> 85

<211> 378

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA219100

<220>

<221> unsure

<222> (1)..(378)

<223> n = a or c or g or t

<400> 85
 tttttttttt atgcttgaac taattttattg atgagattct catttctgta gtataaaaagg 60
 aaaatatttt gcagttatct cgtatttgaa agactttgcc atagagaact ttatcagaaa 120
 tggatgaact tttcattatt tcttataagc atattgggtt tggcctgctt gagtttaaaa 180
 ctttttttgg tagacntaga atgttaatat ttagataaag aaaatatttt acngaagaca 240
 ttaccagaaa gtaaaataac ttgaacattt cngtattagc ncnttatcag agaataacat 300
 ttatttttatt tggaaagtgt tccnaaatat gagacnactn gcnatttctc agacnaagtg 360
 aaaaatttaa taaaatag 378

<210> 86

<211> 444

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA219304

<220>

<221> unsure

<222> (1)..(444)

<223> n = a or c or g or t

<400> 86
 gcttgggcaa aagtcttcag aacaaaggct gtgagcaggt gttgccctgg ttctgccaat 60
 atcgctcccc aaagggtgctg taggagccat catagtgttt gtagttcaac tgtctctggt 120
 aaccagtgtt gagatagcca atggcttgga cttgacctct ggagtaagct gctgtgtttc 180
 atttagataa tccagtacat agatgttagg agcaaagagg accatattct gctctccaca 240
 gccatagggc atctggagaa gattttgtgt gttttgcatg gcagagctac atatgtctcc 300
 caaaactgag acagaagctc gggcagattc ttctaccaca tttggtggca gtttcagggg 360
 taattcttca gaaacctcan cacctgntgg acnaagtagg gagttgaatg ttgtttcctt 420
 ctctagtcct tcaggttcaa ccaa 444

<210> 87

<211> 341

<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA219552

<220>
<221> unsure
<222> (1)..(341)
<223> n = a or c or g or t

<400> 87
tttttcagtc atgattgggt taaaagttaa attggagacn ttgccggtgg nnaacaaaat 60
ganggcatac aactgtcaca ggcagggcag taagtacaaa gtctagctgt aaaaaccgtt 120
tgaaaatata aactcggttt tggaatacat gtgtcaaagg ctgcccattgt taataccttt 180
ggataaaaac ggtaacgatt cccttgacaa acccatccat cacctgacgc acattcacat 240
ctcctggtaa ctactctacc tagtctagtc tcaaccaccc ctgtcagtca cgactcactc 300
ctgttccttt gcaggtgcag aggagcctgg gaggtaggtc a 341

<210> 88
<211> 323
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA227926

<400> 88
atgtaaaacta tcaaatgttt atttaaattt ccatttaaaa tattttcaag taaaatatgt 60
acaaaaatgg ttataaaatg gttgaagcaa ctagaagcgt gacaggtata atacatataa 120
atacaaccaa aattcaattc aatgcaaagt tgaatgacat catattgcac caaaatttat 180
tccatacaaaa agcacatgca tcaagagttt ccataagatg aaaacaaaca cacttacttc 240
atagcatctt accacttact tacacaaata gcccataaac accatctggc attgtgattg 300
cagtaccaga actctcccca gag 323

<210> 89
<211> 469
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA227936

<400> 89
tttttttttt tttaaaaaca gaagcgcgac catttcttta ttaaattata caaaagggtt 60
ggggaggggg gcagctgtgg ggctcggcac accccggggc ccaccccggc ctggcgctgt 120
ctgagaagag gggatctgag ggagatccag ggatcaggca ggatagggtat ggggcaggac 180
atgaggctgg gggatgcaga ggtaggtgg gagaggctac cggagtaaga atgaggctgg 240
taggggaggg agaaagagag caaagagaga gaggagcaat tggggggccag ctggagagct 300
cagatggagc aggtcaggag gtggaacaat ggcagagtga ggggtggagg cgcagtgtct 360
ggagaggcgg aaatgagaag gctggggaga aagaagaggg tggcagctct ggtgcagggc 420
ccagagcagg gagccagggt aagagtggct ggactttgct gccccacc 469

<210> 90
<211> 462
<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA232266

<400> 90

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atctttctac tttcttttaa tatcattttt taaagttggt aagcagctag acatcattta 60
gaagcagacg ggttaaaata gacaagaaat agcaaagaca catccttcac atcgtagaga 120
actgtattag tatccaccac caccatcaca ggggagggct agctgtcact ggggtcagga 180
gtactctcca ttattgtgca ggggaccaga cagcatttag gtgtgacgat gtcaaactga 240
gtggacatag agagtgccgg gatcaaggct tacagttttg gctctagact tgcgtgaggg 300
ttggttactc ttaatctctt ccaggctgtg ctggatccca tagccgaagt agatagcaaa 360
gccaatcagc atccagaccc caaatcgggc ccagggtacca gctgtcatct gcatcataag 420
gtaaatattc acagagatgc tcattagtgg gaggagaggg aa 462
```

<210> 91

<211> 401

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA232508

<400> 91

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gagggtacat cgggggagag gagaggagag gagagcctct ctgtgccttg gtttccatt 60
tgtgcattca gggcctctgc aggcctcacac agggagtctg aggggatagt gtttaagtga 120
gcactcaggg ttctctctgag gaaaagaaat gaccaaagtg cagactttta ttactgccat 180
tcctgtctct aatgggagca ggagtcaaaa ggaaaaacaa attaaaaggg gctaattgaga 240
aaggaggaga gatgagacag agagtgtgaa gggctatgct cgtggcatct cataaattct 300
tattgagaat ggcacaggta ttaaaaaagt ttctgggtag tctacgagaa atgtcaatta 360
ttatctctac tacaactact tacatatatc taatgggaaa a 401
```

<210> 92

<211> 387

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA233347

<400> 92

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gctgcaaaca tgcagagatt tcatttatct tgtttggcac atgggaacta cattttgttc 60
ctattatctg tgtgtttcac tttgctgtgc agattttcat ccaatttttt tcaggggagg 120
gcatatacat ttgtagggct gtatctatcc aattctgcct gtaacaaaca cccaaacatc 180
ctaaaatata aattataaga cagacaagtg taatgtaaaa ctctggagaa catcaaagaa 240
aaatggccat gcatctgctc tttaattgtt tcctacgata tattaaaata aaaacaaagt 300
ttcagtctct tcacaagaag taatttatat tctctgaatt ttttcagcca caacaactgg 360
attctctttt ctgatttttg ctgcagc 387
```

<210> 93

<211> 403

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA234095

<400> 93
 attaatgcaa acatattttt attaaagaat gaatgcattt atgctaaaga atagcttaca 60
 tatgttgtaa agcaacaagc atatcttcaa gaagtgagtc ctctcaata tgactccatg 120
 cttattctac atgcctgaaa actgggcca caccagggg caccagtaca cgcacacaaa 180
 cgcagatacg gacacacaga tatgcagacc gaaatgctga caccatcgct ctctagattg 240
 gattagctct catttaaggc ttcttaggtg ccgcagtgcc cctaataatta ccaggattga 300
 aaacagactt ttaggaagga gcagcattac ttcgaaaagt agtcactctgc tcttgctctc 360
 caatgtgtgt attttaacaa ataccattta attctatggt gac 403

<210> 94

<211> 103

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA234634

<400> 94
 cagctcacgc gggacctggc cggcctcccg agtctcttca agcagctgcc cagcccgccc 60
 ttcctgcccg ccgcggggac agcagactgc cggtaacgcg cgg 103

<210> 95

<211> 291

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA234996

<220>

<221> unsure

<222> (1)..(291)

<223> n = a or c or g or t

<400> 95
 ttttttgaag cttcacacct ttattgtgtc cgggggcgtc cggggcctca ggggtgttcg 60
 tagcccgtag cgagagggtt cactgggcta ttgtggaaca gagtgtgggt gccgtcccc 120
 caggggtagg gcttggtgcg gatcggaggg tggtggtagg gacggaactc ggggcgcggg 180
 cgggtggccag nantggagat aggtagttga aggtgcagag ggccacgctg ggcagcgag 240
 catcgaaggt cagcagacgc caggtacgag ctctgctcc tccgtggcct t 291

<210> 96

<211> 139

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA235310

<400> 96
 tcaacaaata tttattgttc atcaaagacg agccagattt tatgggcatt tgtgatggag 60
 gctggcctta gctttaggag aaggaactcc aagagcagta gtgatctctg agatcacctt 120
 gttcacctc ctcggggca 139

<210> 97

<211> 382

<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA235618

<400> 97
acaattttaat aattttattac attacagtgg catcacacca gcagtcaata aggccactct 60
agggaaaaat ctttcagtat ttccatgaca cattctgttt acaataattc ataaactggg 120
aaaatttcatt ctaagaaaac ttggcaaag aaactttgga ctggaattgg catttctttc 180
tctgcttttc gttccacca tttctttctt ttatactaca gtattcatat tttaaaatgt 240
tttaatttat ttcagaacat taagatagca gttacatttt ttaatagtta tattatttta 300
aaatgactct ttaaaataaa gttttagaga aactatatta tggatagggc tgatttacct 360
tttcaaattt tctaaaatca gc 382

<210> 98
<211> 175
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA236241

<400> 98
tttttttttt ttttttttcg gcggtcaacg cgctttattc cgaggggctt cagatacaga 60
tgaccccgag cctgcatccg cccggaagcg tccccttact cccatggggc acctcgatac 120
cagctgccct gccctgactc acttctcagc acccatctta cggcagtcgg ccctg 175

<210> 99
<211> 401
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA236455

<400> 99
tttttacgaa accaggttta ttaaaatttc tctacaagtc agaaacggcc atctcactgt 60
tcacatatat acacgtatgt acaggaagaa cctagtgttt ctagcttttc cggcagaagg 120
ccctgccagc ccagagtcct tagtcggata atgtatcaca gatacaacag tcgagcaacc 180
acgagagcgt tagtgcgaca gaggcctctg tctccctct tctcaaagtc ccatgattct 240
gtcaaggtaa tattgccaat aatcattcac atttcacgtg gtttttagaca cgcaggttat 300
tcagacagac acagacaaca aaacaagcct caaagccaga acaaaacaaa acaaaaccaa 360
atcgaacata ggtataaaaag gtaaaatata tgtacaaagt a 401

<210> 100
<211> 533
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA236476

<220>
<221> unsure
<222> (1)..(533)

<223> n = a or c or g or t

<400> 100

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tttttttttt ttttctcatc actgagtatt tattatatat aacaaataca tgggaaagaa 60
aaaactatat tgtgtgatat aaatagttta ttacattac agaaaaaaca tcaagacaat 120
gtatactatt tcaaataatat ccatacataa tcaaataatag ctgtagtaca tgttttcatt 180
gggtgtagatt accacaaatg caaggcaaca tgtgtagatc tcttgtctta ttcttttgtc 240
tataatactg tattgtgtag tccaagctct cggtagtcca gccactgtga aacatgctcc 300
cttttagatta acctcgtgga cgctcttggt gtattgtctg aactgtagtg ccctgtatct 360
tgcttctgtc tgtgaattct gttgcttctg gggcatttcc ttgtgatgca gaggaccacc 420
acacagatga cagcaatctg aattgttcca atcacagctg cgattaagac atactgaaat 480
cgtacaggac cggaacaac gtataganca ctgtagtcct ttttttcaca gtg 533
```

<210> 101

<211> 308

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA236545

<400> 101

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tttttttttt taacgttttc aaaatctatt tttatttttc ttcagtatta cctgctgttc 60
ccaagtggct gggtaatcta tgggttataat tttcatttac cctcaaagct aggtgccag 120
tggaagctaa gaataacaca attaaattca agtttctcta gaaaatatga caaatcaaat 180
tttaagaaaag tgtaacttgt ggttttgctt tggttcaaga tggctgatct gagaatatca 240
aagcatttaa ttcaaactaa tagtgtgtcc tcctcctagg actagaaggt aatttttctt 300
ttaaggag 308
```

<210> 102

<211> 297

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA247204

<400> 102

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agatacagag ataaacgagt acatgattat gatatgaggg tggatgattt ccttcgtcgc 60
acacaagctg ttgtcagtgg ccggagaagt agaccccggtg aaagagaccg ggaacgagag 120
cgagaccgcc ctagagataa cagacgagac agagagcgag atagaggacg tgatagagaa 180
agagaaagag agcgattatg tgatcgagac agagaccgag gggagagagg tcgatataga 240
agataatggg cttttggaag cactgattgt ttaaagatac aaaaaatctt gtatctt 297
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<210> 103

<211> 342

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA248555

<400> 103

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attcgttgaa ggacaccagc tgcggaattt gcggcttttg cagattgaaa tcatggcagg 60
tccagaaagt aatgcgcaat accagttcac tggattataa aaatatttca actcttatac 120
tctcacaggt agaatgaact gtgtactggc cacatatgga agcattgcat tgattgtctt 180
```

atattttcaag ttaaggtcca aaaaactcca gctgtgaaag cacataatgg atttttaaact 240
gtctacgggt ctaacctcat ctgtaagtcc catgcctgga gaagctaata ccacctaata 300
akgtgataat tcaatttgta caataaatta tgacctggaa aa 342

<210> 104

<211> 458

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA250850

<400> 104

tttttttttt tttttttattt tttttttttt tagcaaagaa aaagaacttt tattttcttca 60
gtagtttcta atgcagacaa atgtgacaag gcagggagct gagctgaccc caagccgaag 120
gtcccgactc ctctcgggag cctggaggag tcccggtagc gaatagatca gatgcctcat 180
cctcgttcac cccaaaaggc tgagaccctg gtgtgtcctc ctcgaggacc ctccctggtt 240
ctgggtgcta gaggcggtg ctgtttctgt gacagaggga tggctttggg agctccaaag 300
aacctaacca agttttttta agaaattcgg gggacgaagc aataaccgct tggccccctt 360
gaaagtttcg ttcaaacttt tttcaactgt aaaaaactgg ttaatctcaa attgtaaaaa 420
aattttttcc ccccttattt tgaaaaaatg catttttt 458

<210> 105

<211> 410

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA250958

<400> 105

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tcctctccac tgtgtcctc aggcaataga tgattggcta tttctttacc tcctgttttt 180
gcctaattag catttttagtg agctctctga ttgggtgggt gtgagctaag ttgcaagccc 240
cgtgtttaa ggtggatgag gtcaccttcc cagctagggt tagggattct taatcggcct 300
aggaaatcca gctagtcctg tctctcagtc cctctctca acaggaaaa ccaagtgcctg 360
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<210> 106

<211> 372

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA251769

<400> 106

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tgtcccgata atgccaactt ggaggtgaag ggctgactgg ggcagctgag aagtggggacc 180
ttctgttttg caggcttccct ctcccttgcc tggtcatggt tttctgggtga gaagagtgtt 240
cctggccttg ctggaggttc ccatggcccc gaactaacag tgtttttctg aaatttcgac 300
ctgctccggt tgagagagta gaattccctc atcaagtctt ccacctccca ctgctcttcc 360
ttcagcctct gg 372

<210> 107
 <211> 389
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA252219

<400> 107
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 caataatacc agggagctga gtaatctaata acaaagcaag acaaagccag ggtcactgga 180
 agcagcagtg gtctttctga ggaagttgca gctgatcacc aacctgaatg aagtgatgta 240
 atggaaaata gaagtgtttg aaggaagatt gcttttagtaa ctgaggagga gagaggaaaag 300
 aggagaaaact gcacaagtgg gtagagatgg gaaagtccat ggcctatggg gaagggtgagg 360
 aagttgactt ttattttcaa tgtgccgtg 389

<210> 108
 <211> 281
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA252528

<400> 108
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 ttagggcaca ctgccctgcc ggcataagcca cagcttcacc acccaggaag ctatgctgag 180
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 tgattaaact cagcctccag tccccgcgcc cataggtcag g 281

<210> 109
 <211> 412
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA252802

<400> 109
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 aggttccagg tgctgaaaat gaacaattac atacaggaat agaggcctac tctgcactta 180
 aaaatatctt caaaaaagt gctgggtcaag gagtatgcag caatggtcct tcctgttgtg 240
 aacattgagt cctagtgggt gaggtgtggg ttgttactat taaaaatcct tgttgtattg 300
 ggcacaagat agactgaaat tgactgtagt cctcacggtg agtctaattg cagcaacatg 360
 tgaaaaaggc aggcaagagc tgagtcagga aaatagacaa gcagggtacc tt 412

<210> 110
 <211> 326
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA255480

<400> 110
gcgcacaaacc aacagcgctc ccgccccgtt tttatttgaa ttcggagAAC cagaggcgcc 60
tgcagattct ggaggggtct cgcctgcca tcgctggcag cccgagatcc tggggagggg 120
atgccatact gctagagatg agggaaagaga gccccaaagca ggaaaacatt gatttgctgt 180
acactcaaag ggcatctcat gccttcagtc caccgcctcc tcggggccaca gcccgtgccc 240
tcgcgcgggc tcagactagc tctggccctg ctgctgtcgc tgcaggttgt cgtcttcttc 300
ctggtggtcc tcgggcaggg gcggct 326

<210> 111

<211> 410

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA256268

<400> 111
cccagctttt caaaagttta ttttaagttt ggagactaga caaggtcata ctggtttttac 60
atcctacgtg atataagtat atatacaaaag aaaaaaaca cattggaata ttacacagct 120
tgaaggtttg caaaggttat ttgtgtctta gttatttctg cacttaatga cacatcagac 180
gcattgagta tatttcataa gttgttgact agcaaagata caatcattag taacccaagt 240
cttcaaaatt cacaccaaac tttatgaagt cattcagaaa gagaaagtca atcctaaaat 300
taaaattggc aactatgata aataccttca aaaggatgta gatgtaatgg agatgtttta 360
aagtttagtt tcattaattg taaaattagc atgttatatt tactcaatat 410

<210> 112

<211> 355

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA256294

<400> 112
acaactttta aaaatggttt atttttttct ttaacaaaat cgtacagctt tctcaatccc 60
caaattaaaa aaacagaaaa caggaagaaa gggaaagaag caaaggccac acgcacaggc 120
cggcccgctg cagcgccctg ctggacggca cttcagggca caaccacac gcgtctttgg 180
acttgacagc attccgcgag gcttctggcc tctcgaaggc aaagcttttc agcgatttca 240
ttaatatctt attacgctga gatgagatga aggagatgc tacagaaata tgtcagttta 300
agccacagaa acagaacagc ttaagaaggg ctgggcgccc aagctcgtca cgaca 355

<210> 113

<211> 196

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA257093

<400> 113
tgggtgtttt tcaggccaga ccagaacatt tttattgggt tagtcactta ggcattgctaa 60
gggtccccctg ggtagggag atttcagccg tgagtgtgca ggtgtgcatg cacattaggg 120
ggatatctat tgggatgcag agaggtgaga gcagctcttc agaagcgctg gcaaaagaag 180
aatgtgtatt gaaacc 196

<210> 114

<211> 284
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA258476

<400> 114
aagcttacac tgagaattta ttggagggct ttgagacagc tcatgtaatg gaaagctctt 60
aagaactagg tttagaaggt gcagagacca gggcaacttc agggatccag gtagcaggaa 120
ggaatcggtg gcctcttttg tatggccact atgggtggtag acactgtcta cggtgtttgc 180
tgagtcttct ggctttcttc cactcttcct gctcttggac atcagactcc aggttcttca 240
gcctttggaa tctaggactt gcaccagtgg gttggttgcc aggg 284

<210> 115
<211> 377
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA261907

<400> 115
gcatttcaat agaactagct ttattttactt atttatttat ttaaacaataa gaaatgggtt 60
aaaagcaaat gcatatatgt accaagggat ggacatgacc tggacttac aaaggagctg 120
ctgtgtcata atggaaacag catattagga gaaaaatagt atttcgtgtg ctgtctgctt 180
gagtaatcaa tctggagatg caagttaacc gaagtgcac tgccaagcca tcagcgtgag 240
aaaaaaaaac caccagaagt tgctccaga taacgatgta gtggcagcat gataactggc 300
atcaactcac ggtcttctca ttttcccat tttctataat tttcctcttc ttttcatcta 360
tttttttctt gaagatg 377

<210> 116
<211> 181
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA278767

<400> 116
atacaaaatc agatctataa tttaatgcc a ttttggttaa ttaaaaatac atgtacactg 60
gacactacta catattaggg agcatctatg caaataaaag gaaacatcaa attcattaaa 120
atgtttacct atgaggtagg ggtaagaggt tagatatggg agtaaggact ggagattaaa 180
a 181

<210> 117
<211> 419
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA279313

<400> 117
tttttttttt tttctttttt tttttttttt tttactgaaa gaaaaaaaaa ttttttttat 60
ttcagttaat cggaagctt tgtcagagcc ctaccataa ggagaagaga caacagctgc 120

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ctttattctt gttggtttgc tttgaatccg ctccgtgtaa agtcagctaa ctctctcggt 180
cacgggcgtc cggctgtcca aaggctcctc tctgtttggc cttggaatgg aggatgaaac 240
aatgtctttg ggctctccct cccctcggtg tttgtacttt tctggggcgc ttgcgggggtg 300
gcaacccggg gctgagtcct aaccgggtcc ttggggcaac cgctcgtctc cagtgaagct 360
tctctgggca acttctcctc tttgaaaaag ctggtgctca agtctggggg ccagggggg 419

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<210> 118

<211> 513

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA279757

<400> 118

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tgcagtcact acaccactcc cgggcttgta acccatcaca gcctggactc ctttgggtcaa 120
agccctcaca ttctcttgat ggaaaaaagt tttgtcaacg atattttcaa tctgctttgc 180
ttttttatct ctgcctagct gcatttttat ttcatcactg ttcattttgt tctctaggag 240
tcgctgggtg tgatgctgaa aagttacagg atctcttcca ggaggaggat ggcagtacag 300
cagcttacca ctgacatagt ccttcaggat gtgcgcgcga gatcgaggct ggtctggctg 360
tccatgcgct gtcctgaatc ctgcctgta tccataagct gtcaacagtt cttccgatgt 420
tggaggtcgg tggggatctt catcctctct aggcgttatg atgttaatgc cataggtagc 480
ttctaaaaca tgtcttggaa tattctggca aac 513

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<210> 119

<211> 256

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA279760

<400> 119

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gaaagataat tcaacagcaa tcaatttaca gaatttagaa cagcactaca tttcagcaaa 120
atgcaactag agaacatcag ataaattata gtaatttggt tttaaaaatc cattaaacta 180
tctcttacct ctgcaataat gtatcatata tgcagttaca gaagttagta gggaaaagca 240
tgatcttcct tcccta 256

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<210> 120

<211> 367

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA280929

<400> 120

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cccttttaaa cattttatct tgaacaatt gcagatgtac acaaaagttg taaaaatagg 60
ccacagtgtc cccattttgt ctttatatca gatttccat ttgtgagtga ttctgaacaa 120
taagttgcag acatcttgac ccactactcc ttactattcc agtgtctatt tcctatatac 180
aaagggaatc taccaggtaa tcatagtaca acaatcaaaa cctggatggt aatactgac 240
caatatgaat ataggatcct caggtgccat tcaacatttt gcctcttctc ctttatatct 300
taaaattata tatgactact tacatttttc tagaagaaaa aatagaacaa taaatcacia 360
aaatgcc 367

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<210> 121
<211> 427
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA281145

<400> 121
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cagggcagca ggcagttcac aggacagcag gcagttcaca gggctttggg ggcttcacag 120
ggcagcaggt ggttcacagg gcttcggggg gcctcacagg gcttcggggg gcctcacagg 180
gctgcagggg gttcacagag cttcaggggc ctcacagagc ttcaggggcc tcacaggact 240
gcaggggggg tcacagggcc ctgtatgcag ggctgctggg acaaagaaga ggcccagaga 300
accctaacac agcctggggc cccggggaag tcagggcttc cagcagggca ggtacagagg 360
cccctaggac ttggcaggag ctcagccttg gggacagtcc cacggaagac gctgcatccg 420
ggctctt 427

<210> 122
<211> 257
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA281345

<400> 122
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ttaaaaagaa tccaccgcac gaaaggtaaa caaagcagac cctcagaaac tccctggcaa 120
ggaagaaccc ctccccagat tggcccagtt tcaccagcaa ctggtctcag ctcagcctta 180
tgcttttcca ctgacacccc ccacccctcc acattctcga tgattcagac caggaacttc 240
tcggctgatt gtgtccg 257

<210> 123
<211> 365
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA281591

<400> 123
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ccaaaaaac aaacatcatt cttagcaaca tcaattactc ttccacacaa aacagaaacc 180
ttgtaaaatt tattttcgtg tttttaaggc gtaatacttc cgtataaagt atatgcaaga 240
gataaaactt cacagtattc caaaatgtca caataataat aataatataa tagtataatg 300
aagcgctaca gttaattttt ctttttttga atgttttttt tcctgtttaa ataacaaata 360
caagt 365

<210> 124
<211> 369
<212> DNA
<213> Homo sapiens

<220>

<223> Genbank Accession No. AA281599

<400> 124

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ccccagtggg tacagaagct tatatactct ttctcagagg caaaagagga gatgggtaat 120
gtagacaatt ctttgaggaa cagtaaatga ttattagaga gaaggaatgg accaaggaga 180
cagaaattaa cttgtaaatg attctctttg gaatctgaat gagatcaaga ggccagcttt 240
agcttgtgga aaagtccatc taggtatggg tgcattctcg tcttcttttc tgcagtagat 300
aatgaggtaa ccgaaggcaa ttgtgcttct tttgataaga agctttcttg gtcatatcag 360
gaaattcca                                     369
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<210> 125

<211> 375

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA282247

<400> 125

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aaccagttc tatttgatta actatgaata gcaaagtttt gtgacttggt actcacttaa 180
atcacccatc tgaaattcat ttacaagggt tttacattaa taaaacagta gtgtggtaca 240
tgtattggac tcagatgaag tctaaagtac actggactct agagagtgga ttacatacca 300
acgaccaaga ttcaagtgtt tggggaaaaa aataccttag acagtctatg ttggcgtcaa 360
cactaaaata aaagg                                     375
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<210> 126

<211> 242

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA284153

<400> 126

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ataaaacctc agcatttcaa aaaagcttat tccgctgcag gaaagaagggt ggacattttt 120
ggtaccataa taaatcacac actcacacat ccatattgct taggttgaag agaacggaat 180
gaacagagga aatttcttcc atgaattgcc ctcttttcgg taccgcat gtttttagtta 240
cc                                     242
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<210> 127

<211> 428

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA284879

<400> 127

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attcccaaac atacaatgaa ccccaaataa aacaaaacca aattgcacta ttacaaagga 120
acaagtccat gaaagtagag aggaggcgcc agttaaggga cagcaacttc aaggagacgg 180
ttgttttttc gtttacatgt tgggacactc cattttttct ggtttccctg aataaacttc 240
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acacatactt tgtccggtct gaacagggtcc agggctccac cggaaactcc aatattgagc 300
ctccggttgg gtttggccta aaatTTTTTgc ggaagaacct gggTgggcca tttcaaacca 360
agtggatccc tcttgaaaag aaaagttccc ttactaactg cttctgagcc ctccTTtaag 420
tggacggc                                         428

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<210> 128

<211> 425

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA284920

<400> 128

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ccgtccccac cccccctcc accgctgggc ccatcagtgt gtgttggggg gatgcttgca 180
gctggggggtg aggagacaac aaacctcggg aactggagcc agagctgcgg cctgactgac 240
gccttttgat gctcacggga aattttctgcc caggatctca gcccaggtct ggttgTTTTt 300
acaaatctct ctcaaataa ttattttggt gacaaaaatg aaggagcttt gttaaTTTTt 360
ttaaaattat gaatcatatc aagtagttgt ttacatttct tgaaaaata ggaactcggg 420
cagca                                         425

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<210> 129

<211> 405

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA287389

<400> 129

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caaaataatt aacctTTTTa atttttTaaa ggaaaaatac tctccatagg aaggcatttc 60
tattttttgt ccatcagtag ccaaattggaa ctTgatataa acatttccag tatgccaact 120
ttggtttaatt gcacaacttt gaaaataact cattaaaaca cacatcaaga tgctactaac 180
aaattcatta atatccaaga ttcattactg tatgtcaaag gtcattccagg attaacattt 240
tcattacaat gaactgtgaa attccaatga aaatgtttg cctgaattaa attatttTaat 300
ctctcaaatt ggaagtctag cactcttgaa aatcaaattc acacacacac agacacacac 360
acacacactt acaaactgca cattaggaca tgagggcaat ttaat                                         405

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<210> 130

<211> 478

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA287832

<220>

<221> unsure

<222> (1) .. (478)

<223> n = a or c or g or t

<400> 130

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cacacacaaa tcttgattta ttccctgttt ctcatatc gttggcattg ttctacttaa 60
acagcgacag tgatgactcc aaaaaaaatg tttagaatta gaagtgcattg ttaatctgag 120

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taacttaagt acagaaaaga gtagtacac cacaagcatt ttctacactt ttatTTTgtg 180
 gtgattgtga gacaaacaca gtccaaacaa tagacttctt gtcctcccc tcccaacaac 240
 tatctgactc catagctcat gcacccaat tacagcaggt gtcgggctgg cataaaggct 300
 tcttaccagg attccagttt atccttctca atccttttct catctctaac aaaaatgcc 360
 cacatacatg tagttgtgag aggcaaagtc ttctttacac tcaccaccag ggnggcgtat 420
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<210> 131

<211> 216

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA291676

<400> 131

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 gactacaaaa ggacctaagc cttttaaaact agactgtctc aactgtgcat taattatgta 180
 tttagatata ggatatgtgc ttgggaaaat gtataa 216

<210> 132

<211> 431

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA292328

<400> 132

atagagacag ggtcttacta tgttgcccag gctgggtattg acctcctggc ctcaaacgat 60
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 agaggggTTT ggaatgaagg tagaggcagg gggatgaagg cgccagagct gaagaccagc 180
 cccagaagc cacaccctg cccttctagc agctacgggt cctctggctc cgggccttgt 240
 aaacctcgat gagcaggTcc ttgacgtact ggatctcgcg ctccacggac tctgcccgtt 300
 ccttcagctc gcgattccgt gcctccagcc cctggaactc gaccctccag ggcctcacc 360
 tctgcccgtt tccgctggcg gtacctcaga gccgcccact tgttctgggtc tctctacttt 420
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<210> 133

<211> 318

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA293187

<400> 133

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 gtgatccgtg cccgttacgg cccacctctc ccctcctcag ttatctggta gagagtggag 120
 gggagtggct gttccctggg tccaccagct ctgggagggg acatggaaat ggaagatgtg 180
 ggtggcattc cggacaggga ctggtgcttg agaatgctgg ggtcagagtc ctgggagggg 240
 gcgagatggg ggaacatctg tgctcagaag aggggggtgta tgggtagggtg catgtgcttc 300
 tgtgcaaatc ctggTccc 318

<210> 134

<211> 424
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA293489

<400> 134
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 cccagcctg ggcccaggca accaagggct caatgctggg aaggagagca ggggaggtgg 120
 gcttagtggt aaggcgtgaa gggcgaggcc agacagctgg aggcctggc ctccactctc 180
 catttccatc acccttcgga ggctgaagga agggcggcgg caccacaggg cccttcccct 240
 ctgctgcatc atctcctgct caggctttct ctctaggcgc attggaggaa tcctctttcc 300
 ctgtcggaaa ctcaacactg tacagaactc caaccataac cttcttagct tcctctccca 360
 actgcatcgc tcctcctctg ttccatagat ccccggcctt catcccttct ggctctaagc 420
 aagg 424

<210> 135
 <211> 340
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA298981

<220>
 <221> unsure
 <222> (1) .. (340)
 <223> n = a or c or g or t

<400> 135
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 ctgctttgca aagaccgagg agctggcggg gaaccctggg agtagctagt ttgcttttn 180
 cgtacacaga gaaggctatg taaacaaaacc acagcaggat cgaagggttt ttagagaatg 240
 tgtttcaaaa ccatgcctg tattttcaac cataaaagaa gtttcagttg tccttaaatt 300
 tgtataacgg ttaattctg tcttggtcat ttgagtattt 340

<210> 136
 <211> 535
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA308998

<400> 136
 aggctctact tcagggtgctg ctataatgcc tcatctaadc aggactaaat tgtgtaggaa 60
 actgcagtgga gaagaatatg ctttctgctc aggctaagag ggctactgat ctgtccttag 120
 aaattcagag taacatgagc aaaacctcag ctaaaaccca tttaagtggc atggattgtg 180
 catgatcttt gataagaatt cctcatgtac ttgtgcctag tttttcaagg tattggctgt 240
 tctatagatg cagtgattgt cccagctagc tctgttacca gccttttggg gtgtctttat 300
 gttcattttg agagtcaggc cgaaagacag gtgatgtagc acttctgttt ttaataatta 360
 ttgcttaaaa tacctattaa tagttttggg tcattttaaag ggacttgagg aagctaccca 420
 ggattacaga agagtgtcca cctaacaaga tgggtctggc gtttcctagt tttgtatctg 480
 gttcaataga aatatgtgaa agtggtaatg tcatcatttg atgcagagtc cggggg 535

<210> 137
<211> 324
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA312946

<220>
<221> unsure
<222> (1)..(324)
<223> n = a or c or g or t

<400> 137
gaagttaaag gncactttat tnactgacag attgaaaact gtaactccag gnagtgc aaa 60
atgcaccaca acccaattac aaagaacagg tgttaacaca caatgtttta acaatgctac 120
actcattttt ggcaaagtgc tgtattgttc agtctgtgta caaaactgac catctatgan 180
ccaatcagta taaaaaatct ctataaaanc aaaatttagn cagtggctca agaaaacaag 240
ctgccattta tgcatagnnt gatgtacagn aacctaacca aatgtccctt ttgaattttc 300
aagttactga aaaaaaatgt gtcg 324

<210> 138
<211> 428
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA316686

<400> 138
gggatgtgga gctggagttg gagactgaga ccagtggacc agagcggcct ccggagaagc 60
cacggaaaca tgacagcggg gcgggcgact tggagcgggt caccgactat gcagaggaga 120
aggagatcca gagttccaat ctggagacgg ccattgtctgt gattggagac agaaggtccc 180
gggagcagaa agccaaacag gagcgggaga aagaactggc aaaagtcact atcaagaagg 240
aagatctgga gctaataatg actgagatgg agatatctcg agcagcagca gaacgcagtt 300
tgcggggaaca catgggcaac gtggttagagg cgcttattgc cctaaccaac tgatgcgtgc 360
tttctcaaat atacctactg gattaattta tggcaataaa attttttttt gtcttttttc 420
gtttttatc 428

<210> 139
<211> 160
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA328993

<220>
<221> unsure
<222> (1)..(160)
<223> n = a or c or g or t

<400> 139
gcttttagagc agttatggga gttatagatt ataacatatt agtgatttgt gaaacttttt 60
tactaaaatg tgaccctcat tttncctttac atgaaagaac atagaatatt tcacaatgca 120
tcccacgtgg taagaataaa aaattgtttt agttatatgt 160

<210> 140
 <211> 359
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA342337

<220>
 <221> unsure
 <222> (1)..(359)
 <223> n = a or c or g or t

<400> 140
 agagataacc agtttatttt ggggagcaaa gagaaagggg ccctaacccc agactgcctg 60
 cgaagaggtg aaatggaatt gaatgggatt atggtcagcc aaggcttcct agtggagctg 120
 ctacctganc tgagttttta gaggggtagg aaagaaaaaa tgtagtgggt cataatggca 180
 ttccagatac aggggacaca aacagctctg tgtttatgaa ctacaaccag ttgttgactt 240
 ttgtttcaag tggtccctt tccccagtgc tgtgtggacg atggactgaa gaggagaagg 300
 ctgggagcaa gggaccagta agctgttgca gcagtgcagg tgagatatga ggcctcaac 359

<210> 141
 <211> 346
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA347359

<220>
 <221> unsure
 <222> (1)..(346)
 <223> n = a or c or g or t

<400> 141
 gtgttgcaaa gcctttaatt agaatgtttg tattttttac atcatgcata acttcacatt 60
 tgtgattaat tagtaattat ttcaatactt gtaagcncat ctgcctcaga tttaatcata 120
 atacatgaat taaattaatc aaattaagga acagcaattt agaaagaaac acactttaag 180
 aaatcaaaat tctcaattca ggcagtctgt ttctatcatt tggatttcta ctccctttaa 240
 aatttcatat tgccaacaa aaagtgggta tttttactgt ttttggagat gactgaacag 300
 atgaagggca tcagatgcct tcatcagctg ggtattttgc ctaaga 346

<210> 142
 <211> 196
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA350265

<220>
 <221> unsure
 <222> (1)..(196)
 <223> n = a or c or g or t

<400> 142

caatagcaga cttttaatca atgccagaga caaagtgagg ccgagctaag aacacgctca 60
gctncgttac aatgaagaaa tggtttcctt tcgatgcaaa gtataattgt aaaccacagt 120
gctgcacag ttcacgnctg nttaaagnga aatcttagcc atacatcacc taaaagtaat 180
taaaaagtca acacag 196

<210> 143
<211> 286
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA358038

<220>
<221> unsure
<222> (1) .. (286)
<223> n = a or c or g or t

<400> 143
cagggttattt ctcttttctcc tttttaatgt agagctgcag atacacttaa gttgccatag 60
taatggcaga aggaggaag ggtgttttct ttgtaaaatc attggngtat acaggatggc 120
ttggcaggta acaacactat ttctacgata tctacttatt aatataattt tatgttaata 180
tcccattctc ctcaccataa tcaccataat gttcaaattt taattttgta ttcattttga 240
atgtttgcat gtgaaaaccc aactaatcta ttatttcaac attaaag 286

<210> 144
<211> 287
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA374109

<220>
<221> unsure
<222> (1) .. (287)
<223> n = a or c or g or t

<400> 144
cgccgaccat ctctgcactg aagggccctc tgggtggccgg cacgggcatt gggaaacagc 60
ctcctccttt cccaaccttg cttcttaggg gccccgtgt cccgtctgct ctcagcctcc 120
tctcctgca ggataaagtc atccccaagg ctccagctac tctaaattat gtctccttat 180
aagttattgc tgctccagga gattgtcctt catcgccag gggcctggnt cccacgtggg 240
tgcagatacc tcagacctgg tgctctaggg tgtgctgagc cactct 287

<210> 145
<211> 292
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA380393

<220>
<221> unsure
<222> (1) .. (292)

<223> n = a or c or g or t

<400> 145

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catggagtc  gggacatggt  taattcattt  gtgaatcccc  tggtagtggc  acatagaaag  60
cgtcccatat  tatctgcaaa  atgaatgant  gaataaatga  gcaagtaggt  gaatgantga  120
ttctnagggtc  tcctccagct  ttgatggcct  atgaccgtgt  gactcctgca  tatgcatgan  180
cacacagaca  cagacactac  acacatgcac  agacacacat  acacacttgg  ngcaaagagg  240
gatgaagcct  gccacactgc  aggtgggtcct  agctgcctga  cctcccttcc  tt  292
```

<210> 146

<211> 255

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA382275

<220>

<221> unsure

<222> (1)..(246)

<223> n = a or c or g or t

<400> 146

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aaataataaa  tgaaagattt  tattcatctt  tgtagataac  aagcactcaa  aggttaatga  60
gtgaaggaga  taaccatctc  ctccaaacaa  agnggctctt  aataacgcag  aagcaaaaat  120
ctttccactt  ttagatgaaa  acaaactaaa  aaataacttc  aggcttcaga  tatggaaata  180
aagcaccatt  tttcaaattg  tagacttggc  ttacttaaaa  taagtaaata  gcccccgnc  240
atctgaaaaa  gaaaa  255
```

<210> 147

<211> 407

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA386264

<220>

<221> unsure

<222> (1)..(407)

<223> n = a or c or g or t

<400> 147

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ttattttaata  actgtagaaa  tccaaaagaa  ttagcatcaa  atcttgaagt  cgtgagtnaa  60
gctgcggtgt  ggcttgactg  ggctcagcca  ctgagctgcc  tcaaccgggc  aaggaacggg  120
attatgatga  ctatgaggac  ttctatattg  tcttcatctc  attgtgtgta  ttatgtattt  180
agtttcaata  aagcatttgt  accaatggct  ctggagcttg  gaggaagact  aaaggaatgt  240
gtagtgattc  tgaagtaaga  tgtagaccta  cgcagcagag  ctatggggga  gaagattaac  300
aaagtccttt  cttccaatat  caggatagtc  atgagttgca  gtcccatcca  aaaggtcatt  360
agggctnaaa  ggccctctgt  gtctctgaac  tatgagattc  ttgctcc  407
```

<210> 148

<211> 205

<212> DNA

<213> Homo sapiens

<220>
<223> Genbank Accession No. AA386386

<220>
<221> unsure
<222> (1)..(205)
<223> n = a or c or g or t

<400> 148
ggnggtaaaa ttncactttt atttggccaa tgtgttcaat tcgattgtna aatagaaatg 60
cctganganc tgnagcgtc tgattcagct ccagcatcct tcttcaggcc aaagaactcg 120
aggatgcgct ggttgctcgt gtggctcgtg tcgatgaaga tgaacaggat cttgcccttg 180
aagctctcgg ctgctgtttt gaagt 205

<210> 149
<211> 440
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA397919

<400> 149
ttttctgttt aagaacagct ggtttattct tttgatttat ttaggtattt aaaagtttct 60
tttgtgagat ggcacatagg caggtttggt gtttcctaac actatgaata tcttaaattg 120
cttttgaaag ttttatccac aaagaaagaa aaataagggt ttcctcacag ttgaaaatag 180
tttttgaaaa aagggttaaga ggaaaaaaat ctaaatacca tccttgataa agaaatggaa 240
cttcaagtta aaaatacaaa tttaaatgaa gttttataaa atattaaaaa ctagctaaaa 300
gtacatgcat aggcatttaa tcaaggtaag aggaacagca gtggaactta aatatgatac 360
aatattatcaa caataaataa acatttcagt gcaaatagtg cagaaaaatt tctcaaagat 420
catagcaatc attctaatacg 440

<210> 150
<211> 425
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA398280

<400> 150
tttgcgtggg tcattctgat ggtggctgct gtcagcctcc aagtggctta tgggatagga 60
caacccccca ggcacttcac tgtaggacag ttagcaccaa gagctaagggt tgtgagataa 120
tgcaaactctg gcctgtcacc tctgcagagt acagggtccc atactgtgag gcagcagcag 180
cagagggaac caccagagaa acagcatttc agaattgtct ttcctttggt gtatggatat 240
gtgtgtgttc tagtctttgg tgggcaatgg aatctgcagc tccatgacaa tcttggttaag 300
tagcttatgt gggaaagtgtt tcaggtcaca agggccaccc attctaaggc ttctcactta 360
attccccagg ctaagagaca ggtgggggaaa ggaaaaacct agcaccttgc tataactgaat 420
tgga 425

<210> 151
<211> 382
<212> DNA
<213> Homo sapiens

<220>

<223> Genbank Accession No. AA398903

<400> 151

```
tttaaattag tagagacagg gaatcttact atgtgaccca gactggtctt caattcctgg 60
gctcaagcga tcctctcgcc tcagcctccc aagggtgggt tatatgcgtg acgcgctgtg 120
cccggtcca aagaacattt ctttaagattg gtggtgcaag gatcacacct tgagaaacac 180
tgatttaggc cttccacag taaaaagaaa tgttgctgc cccatcctta cagcacacct 240
gatgacttac aagaggtgct gctgaattcc tcccaggga gcaaccttaa ttcttctcag 300
caagacaagg aggcagcctt caggaaggac ccaggagctt ggtattagag gatgatccaa 360
gtctgatggc aaatttagag tg                                     382
```

<210> 152

<211> 449

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA398908

<400> 152

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tttcagatt tataatttaa tggtgtgca gatcccagtc cctcatttct gtcgctcacg 60
tgccactgg tctggggtca ggggtttctg ttcaaaggca tggatgtgcg ggactcttct 120
gctaggcacg cgttcaccag cctgtgtctc tgaagcagcg gtttcccctc gaacttggcc 180
gacaccacca ggactcggaa gctacaggag caacggttga gggtcgtgtc ctccacctcc 240
acatgctccg cctccaggtc ccgtgcagc ttctcgcgga ggtattcggc gctgagttcc 300
atggcggcag tccagctgga acggcagccc agcagggaca caacccagc tcgggcgccg 360
gcacgctacc ttgctgcctt acaggagcca cttccgctgg aaaactcact tccgccttac 420
taaggcgtac gtcaacgcag tacttccgc                                     449
```

<210> 153

<211> 333

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA399273

<400> 153

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tttttttttt tttcagaact atctgatatt tatttcccaa tattttgata cttgttttac 60
aactggaata catggaatga aggggctgat atgggacccc aggtaagagt gaggtcagga 120
ctctctaagg gtctggggtt ccccctagag ggactttggg catccagttt cagggactga 180
gccgggttgg gtcggggggc agcatggcat cggacgtggt gccgtctgtg cctctcctgc 240
ctgcggtaca gccggcgag gtgtttccga acggcccaca gcaccaggta cacctccac 300
agcaactcag cctccggagt cttcaaagg gac                                     333
```

<210> 154

<211> 467

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA401433

<400> 154

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ttttataaac ttattacgg aaaatgccaa acatacaaaa atagagatga acatatataa 60
tgaaccatca ttttagccat caccagctt caacaattat caaggccaat ttggtttcat 120
```

caatattttcc aatgcactta acatccagac ttattatttt gaagcaaatt ccaagaatca 180
tatcatatca gccacagatg ttgagaatg tagatgagga ccttctttc taacataatg 240
ataaaacat tattctaata ccaaatacc caccaatgtt caaattacc cgattgtctc 300
ataaatgtat tcgtttttaca gttcggtcaa atcacaattc aaataagatc caattaacaa 360
ttggttaata tgtctcttaa gtctctttaa atctataggt tcctcctcca tctttcatcc 420
ttgcaagtta ttacagaag aaactaggtc atgtgtcctg tagtttc 467

<210> 155

<211> 378

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA401965

<400> 155

gagagcacia ctccaaatca tcttttatta atataaaaag ggcatattta gcaaaagaca 60
cacagataaa agagtcacta tggctcagga cacaaggcag ggaggtgcca ggctgtgcc 120
cctgctgggg gagaaggagg ctccgggcaa agtgggagaa gtgctgggaa gggctgagcg 180
gtagggggcca caaaagttcc ggtgggcaac actgtcggca ggtcatgggt gggactcatg 240
gggacctcgc tgctaactct tgttgtgggg ggggtgcctt agtgctgcca cctggagggc 300
cactccttgg ttcttgagg ggaccacca agggacacag gacaggaagc ccaggatggt 360
tagtgcaact cgggatga 378

<210> 156

<211> 641

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA402000

<400> 156

tttttttttt gatacaacta gcaaatgttc attggtttac aacaaacca aaatactcat 60
caaatatggg ctgttgatt tagaaaaata agattcttga gcgattccag ctgcatttgt 120
ttatacagaa cacatttact caggaccctg cagtgtcagc ttcgttcttt gggatgcag 180
ccttctatct ggatctctgc aggcagcca gaatatctgt tgttcttagc atcagagtgg 240
ttgatctttt ctctctgaat ttcggaagg agttccaagc cttttgctgc aataaatacc 300
cagctagacc tgaatttcat gttcctgatt tctttacttc caagtgttc tatggcattc 360
ttggcatcgt tattcagctc tgtgcttccg tcgtcatagg tcaccatgaa gagcagggat 420
tttgagcag cactctgaat aaactttgtc atcgggtccag agttatcgcc ttcatacata 480
tcaaaacatc gtgttgctgt cacattccca gttacatagt tgacaatggc aatgtttatt 540
cctctggcaa catttcccag ctgttctccc ataagtaggt tatcctcaaa gcagattttg 600
gcgtacttgc ttctgccacc tccgctgagt aacctgtagg c 641

<210> 157

<211> 290

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA402224

<400> 157

tttgtttcta aaaagtttat tgtaaaattc aaagcttcaa cagcagcatc ctttagaaaa 60
cgaagcattg cccggatccg ttttgaaaaa gcagcgcagt cggctaagtc cttcacgctc 120

```

ctgcaactgt accaagtcca gggcgccgct ccttcctgcc gagcgagggc tgctgagtca 180
cgcttgcccc gccagtctgt ccttcctggc cctgaggcca acgtccctagc ctaggccttc 240
ctgggcgagc agccgctcca gacacttgca gagtccctcag ctccgaccag 290

```

```

<210> 158
<211> 269
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA402903

```

```

<400> 158
cccagggcag tgggtgggtgc tttatttcca tgctgggtgc ctgggaagta tgtagacggg 60
gtacgtgcca agcatcctcg tgcaaccgga gagcccgggg aggggctctg cggccgtcgc 120
actcatttac ccggggacag gagaggctct tctcgtgtag tggttgtgca gaccttatgc 180
atcacgggca tgagaagacg ttccccctgct gccacctgct cttgtccacg gtgagcttgc 240
tatagaggaa gaaggagccg tcggagtcc 269

```

```

<210> 159
<211> 359
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA402930

```

```

<400> 159
gatttgcattg ttggctcaac tctttttaag tccaaggagg cagtccacat taagtgtgca 60
ggcaaaaaag agatggaaaa aggagtcagt ttctcccctg cctccctctc ctccttttat 120
caagctgagc accttgagtt gcatttgagg aaatgaaaac tatagggtgac gcaaccccat 180
tgtgtcgaat tctttcttta catTTTTTtg gttgctacaa ggaatcagta tttttttttt 240
ttaatcagat ggtgtgtgtg gtggctcaca tctgtaatcc cagcattttg ggaggccgag 300
gcaggaggat cacttgaggc cagaagtttg aggtcgcagt gaggttatgat catgccact 359

```

```

<210> 160
<211> 394
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA403159

```

```

<400> 160
tttttcattg tgcaatacac ttttattttc cttttacctt tgcagtcato ttcgagtaat 60
cgttgtgtaa acaatagaat ggaatgaaat tacattaaat tgtatgcaaa tggctctaga 120
acaccttaac aattatgaca aggcaattat aaataacttt ttttccttag taatatatat 180
ttgctttttg aagtacatta aagagctgcc atatctaggg ttagctagga aagagcaatg 240
gtaccatcct gggagcccac ctccctgaaa gattagactc caattttcaa aatcctaagg 300
tttactagtt ccataatata cagtcaagca gagggctact tgggttgaaa gtattgattc 360
ttgaacctta acagcgtttt accttttagt catt 394

```

```

<210> 161
<211> 376
<212> DNA
<213> Homo sapiens

```

<220>
<223> Genbank Accession No. AA404957

<400> 161
tttaatgaaa atagaagttt tctttctgtc ctcttttctc tcctccttcc ttctcctttc 60
cggatctttc cccaaataat tttctaataa ttcagttgtt ttctgaatat tgcttttaag 120
ttttttgatt ttaaagatac aattagaaat aatgtatatg atgaaaaagc tgtttccac 180
tccaattcag atctgtgac tacactggga aaaatgacca ctctcatga agttttgtta 240
ctgacctctc ttggacttta gctctccatc tctgctgagg ggatatgaag gtatttgcac 300
ttctcctgtt aatgaaggga tcttagaaca gaaaataaat aaatgcagtt ttagcgacac 360
atagctggaa atattt 376

<210> 162
<211> 207
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA405488

<400> 162
tttttttttt tttttgacgg ttcctatata acgtttattt ctggaagtta aagtagatac 60
agcaatatac caaaaaaaaa aaaaaaaaaa aaagacaaaa aacctacaa taatataaat 120
ttttacacta tgaagtacac attggaattt gaatgcagtg gccaggacag cagcttataa 180
accaccttat aggtaggtta gcaaccc 207

<210> 163
<211> 348
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA405559

<400> 163
ttttttttta aaatattctg atggttttat taacaagtat ataatatata ttgcatactg 60
tatatagtat atgaggactg tacagtacaa atttatgttc acagtttgac atgacaaaat 120
gtcattactg aattccatt ggactacaga gtgaaaacag agaaggtaca ttaaaccattc 180
acatctttag taagaaagat taccaaaatg tttcagtatc tgcaagtata ctaacgcatg 240
ctaaaaacct ttacccattc agtcttatta gcttataaaa tatattacac tttattaaaa 300
atttctgcat agtttataca agtattaaag tactgtaaat gtaataat 348

<210> 164
<211> 359
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA405616

<400> 164
ttttgtggtt tttgtgagt tcaagtgggt tatttgagg caatcccagg aaacattagt 60
aggagagcag caggaagaca gagcaaggag gaaaggcaat cttttgtgta ttaataggca 120
gcttatcaca tgagcagcta gagctccatc caactgggga cttttggaag agagtgtaga 180
acacatctta ttcagagttg tctcacttgc ggggtgaagg ttgaagactg ctcttggac 240
aatgccttct ccatttctct atacttttca cctgcctgtg attgggcaa gcctgggtcc 300

cattgccc aa gaaagctctc aggaagatgc tcaagtgc tt gcagtaagaa gcaatcagc 359

<210> 165

<211> 346

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA406371

<400> 165

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tactgtggag acgagacagc cccattgcaa tttatcaatg aaaatctaata accgcccata 120
agcagagaag tggaaatcaa tacttcatta ccaaattggt agtgaggatg aagagaaatg 180
gctggggtga tttttttttt tttttttttt ggcagtcttc tcagagccag ggtgtcagga 240
ggagttcaat gagttcaatg tcagaagcag gatggtgcaa cgaagaaggg ttcagtgtga 300
gggatccag gctggaaagt ggaaactaag gcattcgtcc tgcaga 346

<210> 166

<211> 143

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA410298

<400> 166

gcaggctaga aaataatttt aatgcaaagt agaaagtatc aatccacctc atcactttcc 60
ttgctctctc tctgtcacct cctctttcct gtggctctga ggaggtggga gaagcaggca 120
gtatttccac agcagctgtc cat 143

<210> 167

<211> 298

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA410311

<400> 167

ttttttttaa agtaacattt aatgaatata catttataaa agccatcatc ccttaacatg 60
gggaaagtgt acaaaaataa tgtgaaagtg taaaaatttt tctagaatac aggaaacata 120
tcagcagtaa agaagtttag tttaactttt tttttaaatg taaaatagtt tggatctgtt 180
aaaaggaata cagttcgccc aaagcactta ttttcatctg ttgtaaactc attctttcta 240
ccttaagtaa actggaggag tcagctgtgt taatatggtc aaattaattt catagttt 298

<210> 168

<211> 445

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA410355

<400> 168

gcagcggatt ggggggtggc aggggatgct gctgatgtgc agagacatcc ctttttccgg 60

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cacatgaatt gggacgacct tctggcctgg cgtgtggacc ccttttcagg cctgtctctgc 120
agtcaggagga ggacgtgagc cagtttgata cccgcttcac acggcagacg ccggtggaca 180
gtcctgatga cacagccctc agcgagagtg ccaaccaggc cttcctgggc ttcacatacg 240
tggcgcgcgtc tgtcctggac agcatcacgg agggcttctc cttccagccc aagctgcgct 300
caccaggcg cctcaacagt agccccggg tcccgcgcag cccctcaag ttctccctt 360
ttgaggggtt tcggcccagc ccagcctgc cggagccac ggagctacct ctacctccac 420
tctgccacc gccgccgcc tcgac 445

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<210> 169

<211> 415

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA410383

<400> 169

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ttagatacca gagtcccccc ggcccagacc cccacaaaaa aagtcagtga aaaagatgtg 120
agtgaagaa gtttgtcaag gcaaagtgtg gaaaggatac atgtgtacat caccctttaa 180
atgctttccc tgagtattct atgaagtctg gggatcttcg aatgctatta atcttagaca 240
gtaaatttta taaagaaatt ctttaaaagt aggacttaat tctcctccgt agtgagtttt 300
taagcagagg atatctacta catggattcc tttgcctctt gacaggctca agttccatct 360
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<210> 170

<211> 406

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA411860

<400> 170

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atgctaagggt gacagtgtat gtaagtagat ttttgttttc agtgaaggag acctgggaaa 120
agatggattt ctctctgtat cttcaagagt tatcagatgg tacatgctcc tcaaagccct 180
cactctctcg aactagagca cgttccaggga tcacgcggcc ttccttatat cgctggctgt 240
cttcagtggc aaactcatag atccatccca gtttgctatt gcagtttttg cagctcacat 300
ctcgaaccat gtggcgccca gtgagcatga cccgatcttg aacttcaactg tactgcagggt 360
taactacctt gttaaaaaga aatgctctgc cagtggggcc tgtgaa 406

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<210> 171

<211> 73

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA411952

<400> 171

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tttcatttaa ttgattttat tataactgga ttaggtotga gccctgggaa acagacatca 60
ccttggtata cag 73

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<210> 172

<211> 289

<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA411981

<400> 172
acactgttta ttgagtggca ggcacaggag aggtagctgg ctccggtgtg gaagcagagg 60
tggcagggtca tgccaggggtg ctgtgggcat ctggcagcca gggccatgcc cccatcctag 120
ggggacggca caagctcact atgacaggag cagcaaggag ccggccagag gagggggtag 180
ccacgacccc caggatcctg ggcaagaagc ggcagacaaa cttggcacag gggcctaggg 240
tgaggggggac tggggcctgg gtattctgtg ggggaggagg ggggatcac 289

<210> 173
<211> 406
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA412049

<400> 173
ttttaggaaa aaacggcaca gtgatttaat ggtaagtcac tataaacatg aagggaaaga 60
ctgccatcca aggaagcgca gaaaaggaca cccctcaggt cctggatgga ggaggatgac 120
ccccaatact ggatggagaa ggatgcccc agtcctagat ggagaaggat gccccctca 180
gtcctggatg gagacgtcat gagtaactgt cggtaggaaa catcatgttc ttcattctgc 240
ccttgctcct tgggctccaa caggaaaaac cagaaattct gtggatataa aacatggaaa 300
cattcattct ttaaagaaaa aggctgcaga gacaagaaca gcgaaaggat ggtattgaat 360
acatgcaaat ggataaaata tgaatgatta tgttctcatg ttcaac 406

<210> 174
<211> 521
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA412063

<400> 174
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tgctgagctc tgtaacaact gaaaagcccc tgtgacattt tacctttgag agtcctaaca 120
cggtttgagt ggaacagctg agaaacagca tatatatatt ttaacacctc aaaatagttt 180
gaaatgagcc tcacagcctt gttcaatctt cagattacaa ataacattga tagcatctcc 240
tgtggccttc agttagtagt gccagttaat attgtttctg aaaactttcc tctcaaagtg 300
ctggctataa ttttttttcc atccagtaca cataagaaaa ggatttagta acacttgggc 360
aagtaataaa ctgtagaact ttaaaagtag taaaggcata taccaagcat acgtgactcc 420
acacattgtc agaaaggcag tggactggct aacgagtttc tgccaagttt cagaagcaaa 480
gaatgcacta atgaaaaggg taaggcatcc aagcagagtg t 521

<210> 175
<211> 387
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA412505

<400> 175
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 acttttacata aacgtgtagc catatgactg tataacaaga gccaagagc aaccattgtc 120
 taacaggtag aaatgcagac agtttcatgt taagccttta gaatttcctt tcacggcagg 180
 tttccaaaat aaactaactt ttctaactt tattctcaca aaaatatatt tcaagttaga 240
 ataaacaact cattggcttc agacatttaa ttgtatgtat ttaaccatac tcagataatt 300
 gtcatatatta gccaaatgga ggctttttct gtgacctatt tccaaattct cagattctgg 360
 ttcattctact ccttcaagca gtttgga 387

<210> 176
 <211> 399
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA412722

<400> 176
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 cagcactggg gggcccagcc tacctgccag acagttccca ggagtgaggc tggcttttcc 120
 tggcagataa gacacagttt tgttgggtga atgagcggct cctcccttgg tccaggaaga 180
 gctccccctg cattgggtga tgaaattctg tctttctgaa ggccgggcag tgcacagcgg 240
 cccttcctct ctgggaatgc ccaggctcac acagtccact tcagacacct ggtctcctgg 300
 tgggtcccca gacagcgac agtgcagtac cgggcaccgc agctgacaca ggtgtagggg 360
 gatgggaagc cacagacagc acagaagggg cgctggggc 399

<210> 177
 <211> 427
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA416685

<400> 177
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 acaatggcac atataataat taacaacagc aaagatgctt ggtttcttgt ttcatgtaat 120
 ggccagtaca tctgtggaca atgtcgagtc cttaggaagt ccaggaggct gctacagagg 180
 aaatccaaga accatgtcac atctctcaac aagtcttggg aagtccatct gactctctga 240
 aacagtttgt ctctgacctc ccagggaagt tggagggccc cttccatcca gcctgtacag 300
 agggatcaga gtccaggtc cttctatagg gttgaatatc agaggggaat agcaaagac 360
 cccgatgaga gagagagaga ccaaaggcta gattctttct gcaagggtgga ggacggctag 420
 aaggcag 427

<210> 178
 <211> 527
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA416762

<220>
 <221> unsure
 <222> (1) .. (527)
 <223> n = a or c or g or t

<400> 178
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 ggctctcccgg gctagggggg agagccatgg gtccctcccct ccctctgttc aaggtgcact 120
 gcgtgctggg cttgaggtgt aagctgggga gggagggcag ccgggaaggg tcagtgggtcg 180
 ggacctgcaa ccctttcacc ccttctggaa gactcgtgg gcagggaggg agcctcctgg 240
 acctggactg gggcttatcc caagggatga gagccgatag gtctacaggc tcggcccaag 300
 ggcccttcca ccctaggaag aggaaggggt gccggcgtct atctgctgga ggggtgggtcag 360
 gcaaggctgt ggggctgggt ggccagccct tcaactcgtg acgtcccaga tctccgacag 420
 cagaggcggc agcttcttgt cctggagccg caaggannga cctgctccga gtgcacagag 480
 ctcagcgtgc gcaggctcac cagcttcatg agcatgcgcg ggaagag 527

<210> 179

<211> 368

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA419011

<400> 179
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 ggagtctgtg ttgaaaattc aataaagggc ttgttttcca tctcagcctg gataatctat 120
 gttatctctg agtaaagggt gtaacaattc taacaacctg gcttccttag aagtttccat 180
 tctcatatag tcaccgaagg cagcagcact caggcggttg ctgccgtgcc tgcccttttg 240
 tttctgggac ggctcgggtc ccgtagcgcc ggcacagctg agattgccaa gccgggaaga 300
 gaccttgctc caggtgtagc tgcgttttcc ccagatcacc tgtccttttc ccctccgaca 360
 aggaagct 368

<210> 180

<211> 260

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA419546

<400> 180
 cacattaaat tatttattga acaaattgaa gataatgaca tatgttttta ttacaaagtc 60
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 ataagaaaat gttttcccaa cccacaaaaa acagaaaaaa atatattaat tttataatta 180
 tcttataaag ccaaaagttt tatgaattat acttttttta ttagttaaaa atgacagcat 240
 aactaagggt aattttttatt 260

<210> 181

<211> 412

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA421562

<400> 181
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 tggctcacta tggtagtata caatatgtgt ttcacacatg tacacttgaa accaaatttc 120
 taaaacttgt ttttcttaaa aaatagttgt tgtaacatta aaccataacc taatcagtgt 180
 gttcactatg cttccacact agccagtctt ctcacacttc ttctggtttc aagtctcaag 240

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gcctgacaga cagaagggct tggagatttt ttttctttac aattcagtct tcagcaactt 300
gagagctttc ttcattgttg caagcaacag agctgtatct gcaggttcgt aagcatagag 360
acgatttgaa tatcttccag tgatatcggc tctaactgtc agagatgggt ca 412
```

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<210> 182
<211> 329
<212> DNA
<213> Homo sapiens
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<220>
<223> Genbank Accession No. AA424530
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ttcatcgatt tttaaaaagg aaaaataaga aggaatgcat tgtctctttg ttatgtgcat 120
ggcagctgat ggctcgttc ccaggcgccc aggtctacct gaacatcaga tatgcagacc 180
ctcgaattta caaccaggga cagccacggg cccacgcctg gatctccatg ggtgcacaga 240
cgggaacgta tcaggctgtc tcagatgcca cctccttccc aggtgcttgg gtccacatgc 300
ccaacatgtt cttaatagaa atattaaca 329
```

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<210> 183
<211> 305
<212> DNA
<213> Homo sapiens
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<220>
<223> Genbank Accession No. AA426372
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gcggccgcgg gggatccgcg ccgctcaccc gccgcctcc agctccttgc ggttgagctt 60
gaaggaaccg ttggcgccgg tgcccttcac ctgcagaagc gtgtcgttct gcaccagcgc 120
cttgatcgag tacttgaggt aggtgcgccc attctgctgg tcgaaccacg gaaccttctt 180
ggcctcgggt tagatcttgg ccagcgacga gccgttgcgc tcgcccagcc tacggatggt 240
ctccaccacc agctggctgt acttgcccgg ctggttcttc ttcttgctat tcttctctt 300
cttag 305
```

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<210> 184
<211> 486
<212> DNA
<213> Homo sapiens
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<220>
<223> Genbank Accession No. AA426374
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<400> 184
tttttttttt tggttttata cagaaccttt aattgcaaag aacttgaaag cagccacgct 60
ggtgggtggc agtggagtgg agaaccacc acaccctccc ctgagtatc ttcaccttct 120
tcagcctcgg cttccacgga atccacgccc acctcttcat aatccttctc cagagctgcc 180
aggtcctcgc gggcctcaga gaactcccc tcttccatgc cttctcccac gtaccagtgc 240
acaaaggccc gcttggcata catgagatcg aacttatggt ccaggcgagc ccaggcctcc 300
gcgatggccg tgggtgttgc cagcatgcac acagcccgtc gcaccttggc caggtctccc 360
ccagggacca ccgtgggggg cctggtagt aatgcccacc ttaaaccag ttgggcacaa 420
tctacaaact ggatgggtgc ctggtcttga tggtgccgat ggcgcgttga catctttcgg 480
gaccac 486
```

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<210> 185
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<211> 133
 <212> DNA
 <213> Homo sapiens

<220>

<223> Genbank Accession No. AA427622

<400> 185

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tttttttttt ttttttttaa taatcacgta agatgcgatc atacttctgg cattttcaaa 60
aagtgtaaaac tgtataaaaa taaatatcc ccatacaaac acacacacag gccaatccaa 120
ggtttagaggc atc 133
  
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<210> 186

<211> 448

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA427890

<400> 186

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ttttttaagg atttgaatct atgtatatat attttacatt tttcaacatt tgtgttttat 60
tccattaaca taaccattta cagttattcc agaaatttca gtcatacaca gtgctcttga 120
atccaaagag tggctctagtg tgttggcatt ttcacaaagt acagtcctag aaaatgtcaa 180
gttgaacaat aagatattga ggcacattgg tcaactgtga ttctgaattc tttagtatgg 240
tcagaggaag tagttaatat atttcatgtt gattctttgg ctactcttga tttttgcttt 300
gggtaacatc ctcatcctgg gaacattcat taccacttaa tagcaagata acattaaaaa 360
aaaatccttc attgccacat ttaatagcat gtttaaaaag gcagagggtg caatgagctg 420
agaacgcact actgcactcc agcctggg 448
  
```

<210> 187

<211> 159

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA428325

<400> 187

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tttttttttt tgcacggctt atttccttta atctttgcaa caaccctaaag tataatagta 60
agcacagggt ttttgctgta taccggtag gccttattaa gaattagctc ttattttcat 120
caaaggtaga gaaaatgagt aactattgag gccccgct 159
  
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<210> 188

<211> 366

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA429539

<400> 188

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atcttgtttt tctgatcgga gcatcactac tgacctgttg taggcagcta tcttacagac 60
gcatgaatgt aagagtagga aggggtgggt gtcaggatc acttgggatc tttgacactt 120
gaaaaattac acctggcagc tgcgtttaag ccttcccca tcgtgtactg cagagttgag 180
ctggcagggg aggggctgag aggggtgggg ctggaacccc tccccgggag gagggccatc 240
  
```

tgggtcttcc atctagaact gtttacatga agataagata ctccactgttc atgaatacac 300
 ttgatgttca agtattaaga cctatgcaat attttttact tttctaataa acatgtttgt 360
 taaaac 366

<210> 189
 <211> 257
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA429636

<400> 189
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 tagttatgta ttgtacataa tgacaacatc ttcactagac tgagtgtcga aggatttgag 120
 atgattcgct attcatcaca ccccgaagat tgagatccac tgtatttaca caaagcaaag 180
 ccatgtcagc aagggactgt caacctgatt ctgagaacat aaacattcaa aatttatttt 240
 ccagtgttcc ttttttg 257

<210> 190
 <211> 428
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA430074

<400> 190
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 cttggcacac tgacttaaga tgtggggttg gggagcatcc cttaacacat tctttgtttt 120
 cctggtaaat actggtggaa caagacagct gagaatgtat gacatctgac catgaacata 180
 tgacagctgt ttgtgccagt catgtccaaa cccatggctc tcaactccag atccaaaaac 240
 tctcccatg ttttagacct cccacaccag catttaggat ttcttctctc ataactctgc 300
 tgggtgctgg tcttggcagg gcatctactg gggatagggtg gtttgggggc tcagtgggtg 360
 gcaccggctt gttcttgctt cctctgcagc tctcttgcc gcctgcctg ctgttcactc 420
 atgcaatc 428

<210> 191
 <211> 335
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA430388

<400> 191
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 catccctcag tatttgttga tgccaaagac acgaacccca tggaaactgg gcaacttcgg 120
 cagcagtaca cttagcaatg aggctgtgtt gatgaggaag tgccgacatc atacttggtg 180
 tagaagctgg ccaggagata gaggacaata ggagagatgc tgagggaactt gcgggaagag 240
 gtaaaactgga gcccatagtc catttgctcc cagtgtgtca gtagccgagc ctttccttgg 300
 tcaggagtct caaagggtgt cccttcacc gtatg 335

<210> 192
 <211> 259
 <212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA431470

<400> 192

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acagggcaga ggtggtcaga tcgttttgag ccaaaatccc ttcctaaaa atggatctgt 120
ggagctccat gagggaaact cagagatgca caatgacagt ttagctaaaa tggcttaaaa 180
aatgtgaatt gattgtcagc tctctccata tctgctgaaa aaagggttaa aatttttaaa 240
aagtttaaaa gtgttttct 259
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<210> 193

<211> 489

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA432162

<400> 193

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cagaccactt tggatagcta tggctcgata cttctgggtg cctctcctct aagacatcct 120
cttcttacat tccactgaac agaaaaccat cctctctact ggcattgaact tctgcccatt 180
gaggcatttg ctgcagcaag agcacagaaa gcaactctgt gatgcatgcc agctgaaatt 240
gttataggtc acccgctgca cttctgggtc gatggcattg tggcatcctt gacacaccac 300
agcgtgattc ttcacatagc agggcttgca caggggcttg tcattgacca tcacgtatat 360
ctccccagct agaatgctat cacagtcaaa gcagcagaag tgtttcaggt gccaatctct 420
gttttctgcc tgggtatact cattgctgaa tatcagctcg tcacagccag cacatcgggg 480
tttctcgtc 489
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<210> 194

<211> 367

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA432292

<400> 194

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aaaatgaact caagagttgc tacatttaac tgtatcccca tttatctctg cacgatgtct 120
tatctcagtg tctcaattca cactaaaata ttgaatgaga aatacaccac gttggctgat 180
tgcttgacat gtctgattta gggagacttc tacaaccact cctctctttt ttctcccagt 240
aaatactttt gactttgaca cctaccatat tggaaatgac aggtgcccga gggcaagtgc 300
atcaaagcag ttaggattcg aatgcttgct aaggattatt tttttaatgg agcagttcta 360
ttgaatc 367
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<210> 195

<211> 323

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA434108

<400> 195
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 tgtcattaca aaaaaatata aaaaaactac tataaaaaaca ttctgggggtt gtcaaagtga 120
 gaaaacctaa agaccccacc ccaggatctg gctgaagcag tcttccccca gcttcttcac 180
 tatgaccttt atacaactat ggggggtggg tgggatcaca caggcataaa agggctggaa 240
 attccccaca cagcctccaa gggtaagaaa tgagtagctt cacatatcac aaaagtggga 300
 tttggaagtt tgggggtggc tag 323

<210> 196
 <211> 506
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA435720

<400> 196
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 ccacggaatc cagccccacc tcttcataat ccttctctag agctgccagg tctctgcggg 180
 cctcagagaa ctctccctct tccatgcctt cgcacacgta ccagtgcaca aaggcccgct 240
 tggcatacat gagatcgaaac ttatggtcca ggccggccca ggccctcgca atggccgtgg 300
 tggtgctcag catgcacacg gcccgctgca ccttggccag gtctcccccg gggaccactg 360
 tggggggctg gtagttaatg cccaccttaa atccagtcgg gcaccaatcc acaaaactga 420
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<210> 197
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<220>
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<400> 197
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 tttcacaact aagccttttg ccaaaaaagt catttagcac atctttaag atcaataaga 180
 aatggatttt ggacattaaa aagatcaagt cactgaatta aacagtagca accccatta 240
 atctagaatc ccatagtgtc gaagg 265

<210> 198
 <211> 437
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA436616

<400> 198
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 aatcatggga tttacataat ggcaaaaaatg tatatgtata tttataacat cctctatata 180
 caataatcag tatagacaga gaaaatgcac ttaatctttg caaatcatgc acaccacagc 240
 aataacacaa aatgtttttt ctgtaacaag cttttccact ggctcaggct tcatcctgct 300

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ttccaacaat acctatcagt tttaaaagca aacattttca attaaaacta aagaaaattg 360
aaataccata gtgatctact aactatttta aaaacacaat tgtacacaaa atagttttac 420
tctaaaacac tgtgact 437

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<210> 199
<211> 443
<212> DNA
<213> Homo sapiens

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<220>
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<400> 199
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agaaatgcct ttctatggta acaggctcta gaattatcag aagaaagaaa cccccacag 180
atttgtaaca gtgtgttgga acctcggaat cccagcatac agagtatact tttatgttga 240
tttttatattc tttttgctaa agttgaagta gatttttatg attgacattt tattttctga 300
gtttgaaaat aagctttttc ctgcagagag tcttggcctt cacctacaca cccaagctaa 360
aaatcctagg tgtaaaaaaa ctcaaaacat caatgcttat tttagcacgt caatctttga 420
aggaatgctt aaaatttctt tac 443

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<210> 200
<211> 219
<212> DNA
<213> Homo sapiens

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<220>
<223> Genbank Accession No. AA436655

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<400> 200
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aacttgttta cacaacgaag ccctaattga cccgttttga aattagaagc tggacagtta 120
caggctttgg tctcttcaag aatccaattc acccctgggt ttcgcttggc acacacccca 180
ggagaacgtc gatgcacaca gctgtgtagc tgcaaacgg 219

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<210> 201
<211> 419
<212> DNA
<213> Homo sapiens

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<220>
<223> Genbank Accession No. AA436861

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<400> 201
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ctgccaaca aatactcaga atccagggtt ttcataattc tccatgggtc aatctctcac 180
aggtcacttt ccattcaaag gattatggag accaaataag acaggattct ttcaggatc 240
aaccagagt ctttaggtct tctctcagcc aaggcatoga gtgaaaatac aatttatattt 300
tcggattcct ctggaggatt aaaaagtctt tttcgattg caatgccatg ctccctgctc 360
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<210> 202
<211> 292
<212> DNA

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<213> Homo sapiens

<220>

<223> Genbank Accession No. AA443114

<400> 202

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acttttgaac tgaaagaacc cccatctgcg atgcctgcac acaccgcatt cacacaaaca 120
cagggtactga ataaattaaa cgctcaggct ctggccccac cccagctttc agagcccaca 180
agcagactgt acaaagtcaa taatttataa cccaaaccct gggcacagtg cctggaagtg 240
tcagggtcac ccactccctt taagttagcc actatacatg ttcattcttct ga 292
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<210> 203

<211> 420

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA443923

<400> 203

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gcagggaag actgtagaca cagaaataaa tatccgatta taagctgtga ttagaggcat 180
gatggaaaag agcaaggctt cctgagagaa acagggcgag cacaggaaaa cctctctgag 240
acagtacat gaacttgaaa cttgaagggt aaacaggagt gggcaccccc aaaggggaaa 300
gaaggaatct tccaggcaga gagaaagaga aaagaccag gcacggtata gaccagagga 360
aatttgaggc cccaccccc cgcaccccc ccccccccc cccctcccc caggaaaggcg 420
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<210> 204

<211> 213

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA446241

<400> 204

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ggaggcaggg ccagggaag gtgacatata gacatggagt ggggtcaagga agacacatgc 120
attcacggac ctcagggcc cttggcaggg acaaacagat ggactgacta ggatgagggg 180
aacaggacgg acgtggatgc ctcactcaag gcc 213
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<210> 205

<211> 455

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA446651

<400> 205

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ttggcactgt tttccatctt aacagttgtt ctgtattgta agattttata tgtgattcat 120
aatgtactac tataacaaga cacagttttt atatattact ggaataatgc aaagaaaatg 180
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aattttcctt tgggtccagt aattgtcaaa ggaatgattg cagattcaga aaatgtgctt 240
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 tggaaggatt agttgtatta gcaaggcatt tcagggatgg ttttggttct ttagactaag 360
 taagatacat ccaatttaga ccccttcaa atccttagac aaatgggaat cacttggtaa 420
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<210> 206

<211> 451

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA446661

<400> 206

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 attcagaagt aatgaaaaac caatatgata aaaacaaaaa tcctccagta aagaaggac 180
 ctgtccattt gagagaaata caattgagaa cttgcaaatg agacaaggga agatggcaat 240
 ttggaactgc aatagaaata actatagcag aaacaaccat ttaagaagtt ttagcagcaa 300
 taagtattta ttattctgaa tgaaatgtac agttgacttt tatataaaaa tcatcaaaag 360
 tgctatattg gattatttta ctattaattt aacccccaac agcatctatt agctataact 420
 ttaatggggt tttctttact tctgatacat c 451

<210> 207

<211> 209

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA447522

<400> 207

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 ggaggccagc agcaggagga tggccagcca cagcccacca cagctctcac ccatgctccc 180
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<210> 208

<211> 449

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA447537

<400> 208

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 gaggtcact gggcagggtg ccaacatccc ttcaagggg atacaccata aagatgacat 180
 tgtccaaggt ttggagggca gggatgatctg gtctgaccac ctcaaagccc atgtagctga 240
 agggccgcag cagggcacct ctgtcgttcc gatcattctg gaagttcaca aacacagagt 300
 ccacatttgt cttctcttcc acgtactcca ggggttcagt caaactttcc cggttgcctt 360
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 atgggcagag gtctgggagg taaggcgga 449

<210> 209
 <211> 342
 <212> DNA
 <213> Homo sapiens

<220>
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<400> 209
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 cgtccctctgc agtcctccag ttgcccagca gcagtgggac gctcagtggc acacagtggg 180
 tctctgtatg gcctcccacc tgcaagggct tccccgggca ggcccagctg ccagaagccc 240
 cggaacacac aggaagacaa cactatagga tggcaggtgg ggatctgtgc aatacaaaaca 300
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<210> 210
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 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA447977

<400> 210
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 gcagatatatc aaaattaaag agacagaaga tagacattaa cagataaggc aacttatata 180
 ttgagaatcc aaatccaata catttaaaaca tttgggaaat gagggggaca aatggaagcc 240
 agatcaaaatt tgtgtaaaac tattcagtat gtttcccttg cttcatgtct gagaaggctc 300
 tcccttcaat ggggatgaca aactccaaat gccacacaaa tggttaacaga atactagatt 360
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<210> 211
 <211> 376
 <212> DNA
 <213> Homo sapiens

<220>
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<400> 211
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 gaagtgccac tataacattg ttttaaaaaa tcttcaaaaa tttcctatta gaacctatca 180
 ttgaattaga aaagcaagct ttgccaatg cctgattatg cctttactgg tctgctagc 240
 tggcatgttt caccaacttt tccctagtgt ttcctttggc actgttgagc ccacactaca 300
 aaacatgaac aagtcccaca aaaccacact atgccctctg cttccccatc atgtggggac 360
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<210> 212
 <211> 409
 <212> DNA
 <213> Homo sapiens

<220>

<223> Genbank Accession No. AA449749

<400> 212

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tatttacagt gttgggttaaa gcaatatattt tacaactttt aaaggtaaac tactatgtat 120
attacaggta agctacaatg ggtttaattt gcaaaagtta agtaagaaat gttttaaaca 180
aggcttaaaag tactcaagtc aattataaaa tttatatctt ttgcctttta cttgaagaaa 240
tcatgctata gaaatgggta atgtgcttct aataaatgga agtattgtag ctggaatgtg 300
atacatgtaa cagtttaagt tcccattgaa ggtataaaat gatgaattgt tgtaagactt 360
agacactgag tctcagctcg gagctgatga agatgttgag ataacagcc 409
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<210> 213

<211> 112

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA449791

<400> 213

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ttacctaaat caaactcatg tggatccctc agcaaccaac ccctgtgcag ga 112
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<210> 214

<211> 386

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA450114

<400> 214

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aacatgtgat taacaggaag gagatgattg gtgagttttc ttcgtaacca ggttcactgt 180
ggataggaag ggctgcctt ccttcccacc atggagatcc taaaatcaca agctccagcc 240
tccatcaatg atgacagggg taccagttac ataagcagat tcatcagaag ccaaatacac 300
gcagagcatg gctatttctt ctgcagttgc gaatcttccc gtcttttctc tcttcaggaa 360
atcattccgt gcctcttcag gatttc 386
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<210> 215

<211> 431

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA450127

<400> 215

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ccgatgggtc tcgtgggttg ggttggtttg ggggggttgt gctggggggg aggggggtca 120
aatatttatt gtattttttg tttgtggcag caactcaaca gattctgctg ctgggaaggg 180
cctcagcgtt cctgaagaga gatgtagggt acccactggg tggtgccccg gctttcttcg 240
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accaggagac aatcaggtc tcgggcctcg gtgggtgccct ggggtctcggc cggctctccc 360
aggagctgcg ccaggcgctg catgcccga acccgcacga tgttgatgtc gttgtcacag 420
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431

<210> 216

<211> 282

<212> DNA

<213> Homo sapiens

<220>

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<400> 216

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caaaatgccc tcatttctat tttttccctt tcagttaata atttagttta aaagtgcaca 180
cttatgggttc agtaaattggg ctttgtctag tagtcacaga tgctgagtat gaatttcaat 240
ggatccgtta gctttactac taagatcttg ctgagatcag ag 282
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<210> 217

<211> 147

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA451836

<400> 217

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tcacagctt tattctctat gacatggggc atgatgtcca gcagatcatt ggcaaatcca 120
aaaacctcat gacaaatgaa aattaaa 147
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<210> 218

<211> 386

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA453433

<400> 218

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cctgtgcaga ccctgccacg acagcccagc cgtccaccac ccgcctcatc tctgccaatt 180
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gcagaggagg gagacagcag ctgcttcaga ccctgagcag aaaaccagag tgagcacagc 360
tggcagcacc agatgacaga tctggg 386
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<210> 219

<211> 346

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA453435

<400> 219

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acaagatggt tggcagggga cacttactag tataaaaaata atacaaatat tgtattttcc 180
tcttatctgc cagtaaaaaat ggcaaacagt tttgtctttc tgaagtttct agtcaataac 240
caaagatgag gagcccctaa taaagtgcct tgccctgtat gctccactgt ctatagcttt 300
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<210> 220

<211> 379

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA454908

<400> 220

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cctacagaca accaagcact aatcccccta gtaccaagaa aggggagcca ggatttagtc 120
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ccatgttgca atgcaaacac cttcaccact ggggcagtgg ggagagatgg ctatattaat 360
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<210> 221

<211> 426

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA455001

<400> 221

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gggagtcagc acagtccttt ctgcagcttc taaccagga ccatgaactc aggtgcctag 180
agaagccagg cagctaaagg acaaggaatg ctgggggctg tgggaacagg aatgcagata 240
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tgattttctaa atattgtgaa ggtaagaaa gacataaatt taggtctatg ggctagattt 360
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ctagcc 426

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<210> 222

<211> 256

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA455070

<400> 222

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aattcagtgat atgtcattat tactgctaag gaaatcttag cccttgctctg ccttaaagga 180
atctttattt aatttactgt aattattgct gtgtagtcac tacttttgtt aattttctca 240
atcacttaga tgatgg 256

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<210> 223
 <211> 465
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA455381

<400> 223
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 cactccacag aggaaattaa tccttcgttg acgccaacca tgcccacttc cagctgctct 180
 gccactctcc agatctgggc tgggtcttga gagtaaaaaat aacctgctaa cccaacatca 240
 gctgcgttac ggattgctat agcctctcct ctgtatcgaa cttgataact ggtgccagag 300
 cgcgaaagtc tcttcagtag tgcacagcat gtcctgggtg acattgcaca gcagggtagg 360
 ctcaaagaaa ttttttccaa gttggtgtcg ttttccacct gtcacaacgg tggcaccttt 420
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<210> 224
 <211> 433
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA456147

<400> 224
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 ttgattggtg cacacattta tcctgcatat atattatgta tatgcacaga gagacctcac 180
 tattatgcca ttgttagggg tctttttttg gaagtacctc attacaaggc aatgtcaaag 240
 gttccagtaa ctactcaact ttgaatgaag ttcaaaatgt ccccatgcta agctgagtct 300
 gtgccatagc aaacctatgat atagcaagtc tccagaatgt gtacaaatca atactctgtt 360
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<210> 225
 <211> 355
 <212> DNA
 <213> Homo sapiens

<220>
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<400> 225
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 aagaatgtgg agtgtgtaga tacaataaag aattcatttt atgatctgcc acctgttact 120
 tgacagagga gtaagttagg gaaataaatg actcagttct tcatacatgc aaaggtaaagt 180
 tagttattac aaaagttttt gctgttggtt gtgctgaaag aaaagcatat gcattttaaac 240
 atttttttaa aaataaatca ctcaataggc ttaagaaaaa tacttttagtt catagttcat 300
 tgatctgacg ttttgattta agatcagggg atgaatccag gatgaaaacc aaaga 355

<210> 226
 <211> 354
 <212> DNA
 <213> Homo sapiens

<220>
<223> Genbank Accession No. AA457566

<400> 226
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tgcattctgt acttgatgac cacacgggaa ccttgctaga gtcaagagaa cttgtcacta 120
gtaattatga agacaccttt acggtgagcg ttattaaaac cctactagag gttttgggtg 180
ggactcaaga gcaaggggtg gccacctgtg gacgagggtt ccctgttggt aacagaacac 240
gttgcccacc tcgcaagtat gcagcccaat cagtccccag ggtctcgggt cccgttgcg 300
ccttccccat ggccactgcg ctcatcatg agcctagggt gatcaggcct ccgg 354

<210> 227
<211> 402
<212> DNA
<213> Homo sapiens

<220>
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caggagagg gagataactt ttgactctgg tttcccggtt ttcaggccag gaagagcaag 300
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<212> DNA

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<211> 420

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<220>

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 cttcatcttc ctggacgtca gcagggactt cgtggccagc ggggcggagg accggcacgg 360
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<211> 346

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aaaaaattta ctcatcttcc ataaagcgac ttttaatgta tcaacactta aaaatacaca 240
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<210> 236

<211> 296

<212> DNA

<213> Homo sapiens

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agcacaggag ggcttctagg atcctgatct gaatagtgggt tatatggctg tgttcaatgt 240
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<211> 519

<212> DNA

<213> Homo sapiens

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ggaagctggg ccctgctccc ttgcagggga ctctgcccag ctggaagggg cagcagctcg 180
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<211> 295

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acatttccag tgtaattgaga gataaagagg aatctgccc accgaggaaa tgactttctt 180
caccatgctg accacactgc acagcggccc atccggctgg tgaggatggg gaggtgggaa 240
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<210> 239

<211> 437

<212> DNA

<213> Homo sapiens

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aattttggat ttcattatgat gttaagtatg gatataattca aaacaattac tatttataga 300
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<212> DNA
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 aatatgtttt tgttggtgtt gttatagttt tttgcattcc ttctacacca gagaatgaag 180
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 cacagtggcg gtgttgataa ctgacgtgat gtgggctaaa cagacatgtt aagtcaaaac 420
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tagaggatac tgacttcctt cctgggtcaca gagccctggc aaagcaaggc aaagccagag 180
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ttcaattctg catgtcccag tttgccgctc ctccactga tttgcactta cactcatgac 180
gttctcttca cttgggtact ctgtgtac 208

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<211> 469
<212> DNA
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<213> Homo sapiens

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<213> Homo sapiens

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<213> Homo sapiens

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<400> 255

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<210> 256

<211> 369

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA598939

<400> 256

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tgaaaactaa aatttccagc ccttgactat ctgtagttcc aaacatcaaa ggaaaatatt 180
ggaacaattt atctatgtac agagagaggc aactcatggg taccataagc aaaataacct 240
gagggggaac atttgatatt acaagaagtg gtgagagttt acaagtcttg cattgctttc 300
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<210> 257

<211> 408

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA598982

<400> 257

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ataactgcct tgactgctgt gtggacaaag attccaagga tgtacttttg ctccatggga 180
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gtgctcggtc caccaccaa gccagcacca gtgtttggtc caccgccgaa gccagctcct 360
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<210> 258

<211> 346

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA598991

<400> 258

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aacacacggc actoctcgaa tacagtcatc ctaaagcttt agttactgcg tggtaaggct 120
tcttaagtca cagtgtattc ttcaaggcct gggccaaaaa aagagacttc gagacaagat 180
gacgtcagat tacatggatc gctaataaac cgagctggac tagatccgac ttgatctaca 240
cacatgccac tactgctcag ggccactgcg ccacgctggc caaggggtct gcactcacgg 300
ctggctgctt taggtgcggc caaggtcgcg ttttctagag tggggt 346
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<210> 259

<211> 428

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA599120

<400> 259

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gttgctctcc gagccagtgt tactatcact gggtccttcc tctgccatac tgtcgacccc 180
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ctcttgccca ctctccttgt cctcaggagt agacgtgcct tcttcacccat tctgttggt 240
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tgctgtg 428

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<211> 546

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA599216

<400> 260

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cccgggggac ccccttcctc tttgtgatgc ccagaacaa tattgatttg attatagaaa 180
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cttatgatat aatgttaggc aaaatcgctg ttatgaacag ctctgtttggg gcagagcaaaa 360
tcttggaag taacgctgag gctgttggtg caggcagtgg agtacaacat cttcgagggt 420
atggagtgcc acggctcccc actagtgggc atcagccagg gcaagatcgt ctttgaagac 480
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<211> 324

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA599331

<400> 261

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tgaccagaa gcggtgtatt ggcctcagc atggaggagg acgtgaaggc gtacggagtc 180
tgggagtagt acaccacgta ggtaggtttg tactggtttg gctttgtgta ctgtgttccc 240
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tttaatgctc tctgaagaat tttc 324

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<210> 262

<211> 271

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA599365

<400> 262

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gttaccatac tcaaatgtaa gatagggaga ggtagaagaa atagctgaga acttgaaaag 180
atgtactggt attgtcaaca aaccaatgtc ttctcccttc ataaaattgt gtttagggaa 240
tattaacaat taagcttgta tacaatagta a 271

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 <213> Homo sapiens

<220>
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 gttcgcgttc atgctcttgc cgctgccgct gagcacgatg taggggggtct tctgagcctt 180
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 <211> 226
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<220>
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 <212> DNA
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<220>
 <223> Genbank Accession No. AA599662

<400> 265
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 ggtagatgc aacctagaaa ttttatataa gatgcaacta catattgtat gatcattcct 180
 cttatatatg acattcaatc ctcatcaa atcagctatga ataaatggca ttatgaaata 240
 aacactta atcacaaatg ggtcatagtc tgc 273

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 <211> 281
 <212> DNA
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<220>
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ccaaaataca ggtatgtttt cattctctat gccctaacc accctccctg cagctatgca 180
acgagcaatt cacgggaaga ggcttcttta catagacccc tgtttttggt gttttgattt 240
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<210> 267

<211> 467

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA609027

<400> 267

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aagaaaaact aatgtgcttg tttgatatca gcacagatca gtctctaagc agaagtgaac 180
atatgggaaa atgagttgga aaggaaaatg ttatagaaaa tagtaaagac aaaccatggg 240
accacctttt ctacgtgaga gatacattgt cgggggcaga gtgctggaga gctgggcaga 300
gaggaacaaa atgtctgaca gcaggagccg gagcccaggg aggaaaccag atggaaaggg 360
ctctgctcag actgactcaa tgtgggcaca tatgggataa aggacatcac agagaactca 420
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<210> 268

<211> 399

<212> DNA

<213> Homo sapiens

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<400> 268

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tcccttaaaa aaggctgaca aactgaccac ttggccttga atcgactgtt agggtcacac 180
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attcaatttg gcctaatttc ttgataatag tttcctatta gattttccga ttaatactga 300
tggctcttac ctaggctgtg ataattaggt tttgatctat tgtgacatta atgatacaca 360
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<210> 269

<211> 387

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA609312

<400> 269

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tctacttcct tgcttctgct ttctttcctt tgctcgtctt ttggggcttc agggcttcct 180
cctggcctgc gtggctgggt atggggggcg ggataggggt gggggcgttg aggttcagag 240
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gtctctccag gacctggccg ggctgctg 387

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<220>
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 gatgcagaat ctttcagccc cttatcagag agaacacact aaacagaaac cagaagcaaa 180
 tcagcatatg gttcaaaca taacaaatca tcagggttaac tttcagtgaa tatacactag 240
 tcctatgagc gacacacact tggcaatgcc ttcaccttgc cttaaacatt ataaatctta 300
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 <212> DNA
 <213> Homo sapiens

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 <212> DNA
 <213> Homo sapiens

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 tcccatacgt aaatttcttt tttggagcaa ggtaacttgg tgattgttct atctctaccc 240
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<210> 273
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 <212> DNA
 <213> Homo sapiens

<220>
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cttttgtagt ctctttactg aagttgtgct gaggataaca tctgtttttc atctgagcat 240
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ccc 303

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<211> 277
<212> DNA
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<220>
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<210> 276
<211> 464
<212> DNA
<213> Homo sapiens

<220>
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atacagaagg aagacgacgg acccaggtga caaaacttct cgggacttcc tgggtcaagcc 180
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<210> 277

<211> 361

<212> DNA

<213> Homo sapiens

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<210> 278

<211> 372

<212> DNA

<213> Homo sapiens

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<211> 1201

<212> DNA

<213> Homo sapiens

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<223> Genbank Accession No. AB000584

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 <212> DNA
 <213> Homo sapiens

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<211> 760

<212> DNA

<213> Homo sapiens

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<223> Genbank Accession No. AF001294

<400> 283

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<213> Homo sapiens

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<223> Genbank Accession No. AF010193

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<211> 1601

<212> DNA

<213> Homo sapiens

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<223> Genbank Accession No. AF141349

<400> 285

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<211> 330

<212> DNA

<213> Homo sapiens

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<400> 286

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<211> 2589

<212> DNA

<213> Homo sapiens

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<223> Genbank Accession No. D10522

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<211> 332

<212> DNA

<213> Homo sapiens

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<213> Homo sapiens

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<223> Genbank Accession No. D13643

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<211> 605

<212> DNA

<213> Homo sapiens

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<223> Genbank Accession No. D23662

<400> 293

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<223> Genbank Accession No. D28589

<400> 296

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<211> 4080

<212> DNA

<213> Homo sapiens

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<223> Genbank Accession No. D29805

<400> 297

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<212> DNA

<213> Homo sapiens

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<223> Genbank Accession No. D31134

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<213> Homo sapiens

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<210> 302

<211> 404

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. D51060

<400> 302

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aaggcatgaa gctgtttatt gacagtaatc agctttcatc aaattaaaaa atatatawt 240
btwcatacac agttaacgag gcaggccaga aagagttyat ctgtaggctc agcctcgctc 300
tcacctcgtg ccgaattcct kcagcccggg ggayccacta gttctagagc ggccgccacc 360
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<210> 303

<211> 283

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. D51069

<400> 303

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atgtatgcat acacacagac agacacacac acccgaagtc tctagccagg cgccgtttym 180
catcccyaaag taccattctc tcatttgggc ccytctaggg ktggggcccy cgtgccgaat 240
tcctkmagcc cgggggatcc mctagttyta gagcgcccc acc 283

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<210> 304

<211> 347

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. D60074

<220>
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 <223> n = a or c or g or t

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<210> 305
 <211> 293
 <212> DNA
 <213> Homo sapiens

<220>
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<400> 305
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 acggagctga gggggagggtg tgcaggttcc agcctagatg ttcaggattg agatgtgggt 180
 cgtgaaagga aagtgggttt tccgggatgt gggggcTTTT ctvagcactg ggtccactga 240
 cgctgctgyt cccaaggggga tgctaggacy ccgytcaggc aggggtgggc tcg 293

<210> 306
 <211> 354
 <212> DNA
 <213> Homo sapiens

<220>
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<400> 306
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 atcacagcta ttatactact ttctcgttat tttgtgtgca tgcctcattt cctgacttaa 240
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<210> 307
 <211> 482
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. D62965

<400> 307
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 ctggcttggt ttaccccata atctaatttc agaaaagaaa gctttatttt aacactcatc 180

tgaatcaaca ttaaagcctt ttctctcaaa gcgtttattg agaaactcaa atgaatatac 240
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 ctgccctcta aagcactttc ttctctttac ttgcgtgggt tcatgtaagc tgtgctgttt 360
 agaacaacat ctcagacttt acaaagaatg acaagaaggc aattgcactt tttagggata 420
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<210> 308
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 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. D80059

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 catcatttta gcgctttctt ttagaggcag ggtcctgaca actcttgatt aacacacaca 180
 tccaggcact ttgytctyt tcctccgttg tcctttkata aacaccaact ggcagagggg 240
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 aatttwttka ktcacatact tyt 383

<210> 309
 <211> 328
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. D80063

<400> 309
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 catcttcmga ttcaactmga ygcggctgaa tatttgamgg aagaaaaaat aaaaatacaa 180
 atmgaamgaw acagtataac aacygttkcc attatacaat atctatacat ttcggttagtg 240
 atgacttcaa gtacayggga ccaggcacgg tgactcacac ttgtatycca acacttcgga 300
 ggscaacctg ggagsatagt gagacctt 328

<210> 310
 <211> 377
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. D80237

<400> 310
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 ggccaggaag ytytggrgga ctcacctgc cactytggc acaggcactg gcactgacgg 180
 acaaggsgaa acagcggccc ctctcaactg ggrgggcacc aatggccctt gtagccagag 240
 gttgcccggc ttttgggccc caggctctag gcatgactgg tggtcaccaa tttggccctt 300
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<210> 311
 <211> 295
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. D80617

<400> 311
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 taaaagttat aaataagggg ctttcaaaac agggcggggg caaatctgga gtggggcggc 180
 gggtgcccgt ggcctcagac atgcagaagg ggacggggcg ccggccgggc cagcaggccc 240
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<210> 312
 <211> 313
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. D81655

<400> 312
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 gccctcctct gcccatgcc tttgggggtct gttcgctcgt cttttttgtt gttgttttta 180
 tatattgaag cgcttgccc agccccagc cccccagccc cgcactgsgg ttaatttatg 240
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 atgkgggggc ccc 313

<210> 313
 <211> 1425
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. D82346

<400> 313
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tactacgagc gaacggtcac cgtgcccatt tacaggatc gccgcggggc acctgccacc 1320
aagcaactgt ttcatttttt attttccatt tgttcttaaa cccactttt tgttggtcat 1380
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<210> 314

<211> 493

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. D82534

<220>

<221> unsure

<222> (1) .. (493)

<223> n = a or c or g or t

<400> 314

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ttagatgctg aanatttggc tgatattgaa natactgtgg aatggagaca tagaaatgtt 180
gaaagtcttt gtgtaatgga aacagcatcc aacttttagt gttccacctc tggttgtttt 240
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tactcccan aatcttctgc aatgtgtaga aaagcagcaa ggactagatt gcctagggga 420
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<210> 315

<211> 3198

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. D83018

<400> 315

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aataaaattt atgaaaagggt agtagaaaag ccttcacag acttgccctc aggcacaaca 660
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caattacttg tcatgcccc gggattttatt gctcagtgcc cagatcttaa tcgcacctgt 780
ccaacttgca atgacttcca tggacttgtg cagaaaatca tggagctaca ggatatttta 840

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gccaaaacat cagccaagct gtctcgagct gaacagcgaa tgaatagatt ggatcagtcg 900
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<210> 316

<211> 217

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. F01920

<220>

<221> unsure

<222> (1)..(217)

<223> n = a or c or g or t

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 gcaactgtga accattaatg taaaatattg ataataa 217

<210> 317
 <211> 205
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. F02204

<400> 317
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 ctgcgccctc agggggcctgc gcccc 205

<210> 318
 <211> 298
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. F02245

<400> 318
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 atactcttca gtggaggatg aggccttatt taacagttaa ctgggacaga cagatgaagt 240
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<210> 319
 <211> 212
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. F02333

<400> 319
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 tatggaagct gtctttgctg ttaagtactt ctcccgtttg tttatcaacc tgcagctaac 180
 aggatgtctg cttttttaca ggtttatttc ac 212

<210> 320
 <211> 221
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. F02470

<400> 320

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ggctagactc tagaagccca ggaccccgcc aaggctcatgt ctgcatactt ggggcagggc 180
gagctgttga accatcgcat ttctctgctg cttctttaca t 221

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<210> 321

<211> 312

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. F02992

<220>

<221> unsure

<222> (1)..(312)

<223> n = a or c or g or t

<400> 321

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gaaaaaaacc cccgccaat ctgaaccgctg ttgtagctcg gtcccgccct cctcagcggg 120
ctgtcgcgtg caacaaacct ccccatcat cttagaaaat aattatagag cgcggcgccc 180
cgccctcgnt cctgccagtg ggcgnttttg tctattttt tggattattt cattacgaag 240
cacgtgaatg aatctagccc ccacaccttc aagaaagaaa ctgcgggact ggggttgaaa 300
agcccaggtg gg 312

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<210> 322

<211> 202

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. F03254

<220>

<221> unsure

<222> (1)..(202)

<223> n = a or c or g or t

<400> 322

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aaatagattt taactaaaaa attatttcgn gacaaaaata acaatatatg tnaataaaag 120
gctcaattaa aaatgtataa caattataaa cacatacaca tcaaacaaca gtncccaaaa 180
atacataaag caaacattga ca 202

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<210> 323

<211> 305

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. F03969

<220>

<221> unsure

<222> (1)..(305)

<223> n = a or c or g or t

<400> 323

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atgtcaatga aatattttaa tacactgtac agagattgct ttttaattgga tttctataag 180
tagtattaat aggaaaaagc atataatata atctactctg tatctaagag ctttaattta 240
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ctgat 305
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<210> 324

<211> 335

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. F04112

<400> 324

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aatagagatg ggggatctca tcgtcaccca ggttggaatg cagtgatacc atcacagctc 60
gctgcagcct ccacctcctg ggatcaaccc ctacctcatt ctcttgactg ggactacagg 120
cactcaccac cacactgggc taattaaaaa aaaaaattct tttttgtagg gaagtgggtct 180
tgctatgtca ccaggttga tctagaactc ctgacctcaa gtcacccgct cgcattatcc 240
tcccaaagtg ctgagattac agacgtgagc cactgcactt ggcctattta gggcttctaa 300
ttcactttcc ttttccttct tgtctaattc ttgtg 335
```

<210> 325

<211> 178

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. F04492

<400> 325

```
gtagagacgg agccatccat gtttcccagg ctggtctcga actcctgggc tcaagcaatc 60
ctgccgcatt ggctctctca agtgctgcga ttacagggtg gagccattgt gcctggccaa 120
aatgtgtatt tttaatatgc tgctgagttg actcctgtat gatcaggagg agcatttg 178
```

<210> 326

<211> 211

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. F04816

<220>

<221> unsure

<222> (1)..(211)

<223> n = a or c or g or t

<400> 326

```
gatgtaacat ttgtnatttt attggaaaaa gctgggtatta acatatttat agttttattc 60
aacaattggg taatttgtga gacaccaaag aaaaaaagaa tgcacctatg agttacagag 120
tccaaactga tcagggtgga caacttgacc accatgtntc ccacaccacc acccccacca 180
```

ccaccaccac caacagcttc gtcctcagag a

211

<210> 327

<211> 276

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. F09281

<220>

<221> unsure

<222> (1) .. (276)

<223> n = a or c or g or t

<400> 327

```
actgtttaaa tataattgaa gtttttnata tgatgaagtg ctccataatt taaatgtaaa 60
aaaccaatag gaaatatatg aaataaaaata aaattatacg taaaagtgcac aatgcctcta 120
ttagatttaa cagtatctta caatagaata agttgaaacc tacaaaatgg aagaaagttt 180
aaaattaggc agatattatc ancctgggtga agaataaata catatgtcaa taagcattta 240
atgtatttgg tcttagattt tacatgaaat aataaaa 276
```

<210> 328

<211> 293

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. F09315

<400> 328

```
acagaaattg acctttatatt gttgtactaa agcctgttta acttttgata caaagtaaca 60
ttttagtaca gaaaatccca gtctgtcagc tcagtacctg tctgtgcaca ctgtaccatc 120
tcagtcccac tctgcctgta acttagaaaa cagccctac cccagaggt ctgcgagtta 180
ataccttgag aatagtctac agtttttcat agtttgtctg agctagaaaa cttgtacctg 240
taaaacaaag gacagcattg aggactgaaa cttgtctctt ttttgaacaa ctg 293
```

<210> 329

<211> 214

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. F09684

<400> 329

```
gctttacata aacttataag gattttttat ttaaaggatt taaaaatata acacagtcaa 60
tataaacatg tactgggaat tataaaccat tctttcttct aagcactgga tgagatacta 120
aaaacatata gtatcttacc aatagccatt aaaataggct aaaatgaaaa agaaaccggt 180
gtaacaaggt tactaatccc ccaactttca atgc 214
```

<210> 330

<211> 332

<212> DNA

<213> Homo sapiens

<220>
<223> Genbank Accession No. F09748

<400> 330
gaatgaaaga atccagcaga tattttattaa gcaagatgaa agtgaaatta caaacacagg 60
tcaactttta aactcagcac tctgttggag tggaggtgca cggtccttca tcataggcag 120
cctatgcgag atgcatctta ggaagggagc tttcgctgct cagaaatcaa agctccatcg 180
gaggtgtcct actggaggca tcagacaaca agctaaatga cgtaggggct acacaacaca 240
aaggggaaag ttgacaacaa ttcaggggct ttgagtagtc aagacaatta gcttagtact 300
tcaggtcaat aaatgctaca atttatgggc aa 332

<210> 331
<211> 247
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. F10078

<220>
<221> unsure
<222> (1) .. (247)
<223> n = a or c or g or t

<400> 331
catgccttga ggaaagctat ttattttccaa gatatagact gtactttttaa gacaggactt 60
ttcagaagca ggaaatttta gttgttgcca gagaggtgtg tcaaggacac agtgaaagga 120
gccatgcgga catgggggtgg aaggctttnt ccaacactgt tacaacactt ttgtaaatga 180
gcaaaacatc tttaaaaatc cttataaatt ctttataata tgttacacat ttagagacaa 240
tattttac 247

<210> 332
<211> 243
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. F13763

<400> 332
tttttttttt actttaattt ttctttttatt ttcactgaca gaaaaatttt ctggagagta 60
caatcaagat agtgtattat tagaaataac attaatagaa gcttggtcag aaatgataat 120
agtcataata agcatctctc tcaccaaggc attccacaca gagagatcac agcacaataa 180
ataaaggatt tctcatttgc cacacaacaa ataaaacaat tgcagtaaca aaaatatgac 240
ttt 243

<210> 333
<211> 415
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. H01824

<220>
<221> unsure

<222> (1)..(415)
<223> n = a or c or g or t

<400> 333
attcacaana annnnntttta ttattctttaa cagtactcac tttaaaggaa taagaggata 60
gcatacattt tttacagaca atatataaat gttgtacata attaacaata acttagttca 120
ctaataccaaa ataaaaacaag ccaaataaaa cataaaaaaca gaaaataactg ccgntttcttt 180
ttcttatgcg ggacactagn tacaaaataa gttacttctg ggccgtgggt gctccctgca 240
ggcgactgcc cgcccatatt gcacttgggt cactaacatc aggcacaatc ctcctccggg 300
ggccggggcc ctttcancag ggcccaccac accccgccgt tcaccggcat tacagggaatc 360
ttaggcttgg gggacaggtt tattattaca gctgttacct tgggggngg gggttc 415

<210> 334
<211> 309
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. H02308

<220>
<221> unsure
<222> (1)..(309)
<223> n = a or c or g or t

<400> 334
tgatagcaca ttttagtttt taataaaatc tgctttttac ttatatattaa ataaattgcc 60
cagttactga atcagaagca tttcttaca agcaaacaaa ataagcatcc cttctatgtt 120
aataacatgt taatagtatg ttggcaagtt gatttagaac aacttgccaa caatacaaac 180
agaaaaaagg agtgggtcaa agaaatctag tttggcttta ttttcaatag atcactactgt 240
ctgttgaaaa aggaataaat aattatggag cctatctaataatataactca atagnnttgaa 300
attattgag 309

<210> 335
<211> 277
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. H03387

<220>
<221> unsure
<222> (1)..(277)
<223> n = a or c or g or t

<400> 335
acgcaagtta gannanttat tatgataact ctgcaatctt ttcagccact ctttaagggtt 60
cctgggcac cttctgggc acagtgtgac atttacctga acagagagga gantggcact 120
agaagatgag ggagatttgg tgccataaaa ttactacaaa caggcagggt gcagtggctc 180
acgcatgtaa tcccagcact ttgggaggcc gaggtgggtg catcacgagg tcaggagttt 240
gagatctgcc tggccaacat ggtgaaaccc catctct 277

<210> 336
<211> 372
<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. H05084

<220>

<221> unsure

<222> (1)..(372)

<223> n = a or c or g or t

<400> 336

```
tttttttttt ttcacagtga gcattaaatt attattccat acagccctgg ccttggccct 60
tcttgaggga gtgggggttn tgggggtntgc ccagcaggga tcctgccaga tgatgtccac 120
atgagaaggc aggtgtccaa cagcttcagc ttcacccagt gccccccaga caaataatga 180
caagtccagg gtctttctgat gtgtcaggcc agcactcccc ttgctgatgg gaaaaccggg 240
gctcggccag ccccaactgca tcccctcaca tgatgatacg aggctctngc actgactcgc 300
caatagactt gtggggcagc angctggctc cggttgagga ggagctcatc attaactatt 360
gacgtcctnc ac 372
```

<210> 337

<211> 353

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. H05625

<220>

<221> unsure

<222> (1)..(353)

<223> n = a or c or g or t

<400> 337

```
tttttttttt tttttttttt gcttcacaaa tgtcaatttt attgacacta gtgcacaact 60
aaatacaata attgcaaagg aagtggaacg tgttcaaaca gaaatgggta caatgagtta 120
gaactgcagt tntttcaagg tactacacta ttatttataa aaaaaatcac aaanagaaaa 180
atgttatcac tacaagtagg gatttaggaa gngagnaaat tctgggcagt ctgtctagna 240
gggttaaaac atttcatggc atttgtgagt tgctgttgga gagttgtttt ttatttgtcc 300
accgtaatct gggcaacatc cggggggctta ccttcagctc tcggcactgt gcg 353
```

<210> 338

<211> 501

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. H05704

<220>

<221> unsure

<222> (1)..(501)

<223> n = a or c or g or t

<400> 338

```
tttttttttc cttctgtagt cgtctttatt tagagcagaa ttcagactca gctgggtatcc 60
cccagggcaa ccccaggatg ggganagggc tgggtctgtcc ccaccactt ctccaggatc 120
```

```

ctcccagccc ccaggctgnc ttttccctcc aactgtcagc tgcttagctg ctcatctggg 180
gattggagct ggagcatctg tcaaggttgt ctcccttgaca aacagcttcc tctttggaaa 240
tggtctcact caggtcctgc aggtcatcga gcaggacaga gagggacccg gggaagggaag 300
acacagcagtg agcaccagac aagggaaggt gctcgtgggt acagagggaa acaggggttg 360
gcacagggaa atgagggaaat ggggagagag ggaggctctt tgggtccaag ctggggcatc 420
ncttaaaaga ggtttaaggg tntcgaagga ccncagagaa caacattctt cntgcgagat 480
ttttaagagg gagttttctn a 501

```

```

<210> 339
<211> 465
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. H08548

```

```

<220>
<221> unsure
<222> (1)..(465)
<223> n = a or c or g or t

```

```

<400> 339
tttttttttca caaatattgg cttgggttttt atttctatgc ttataaaaaa aatatgaagc 60
ttctttgtgt ggactgaagg ggtgttagcc tgtggatgtt ggtcttcggt gcctgtaccc 120
cagtggctgt ttacattcca ggnccctgct aaataaagna ggctccactg ccagctgtct 180
gtacactttt tcttggggga agagtctctg tcttcagttt actgcagtag gggtcctggc 240
tctgttacat gctcatgtgt tccggaagaa catatgaaat atcatccac ggatgacgat 300
acagccctg cttcagcctn ttctgatcaa gatagtntcc aatgaacccc atactccttc 360
ccagcacaaa gatgccattg agggctccaa tgtcaatatt attgcatcag cttcctcccg 420
agtaaaggga cccacagttt ttttaaggatg ttttacaatt gcgat 465

```

```

<210> 340
<211> 313
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. H15143

```

```

<400> 340
tttttttttt tgtgggtcac agttgagggg ttattgccag tgtaggaag aatggggggg 60
ctgggtggcc aggggtcttg ggaggaattc caaatgagca ctgcagggcc tgtgagtggg 120
gaggagagct gctgcccccc tgcacccag gagggccag ggctgatgcc accatatcct 180
gactgctagt ggtgccttaa aaggtggcct cccacagga ggggagcctt gggggcccc 240
aggagtcagc cctcaccaac aagccctctc tcaagggggc caggggcttt tattcctcat 300
gggacaggct ggg 313

```

```

<210> 341
<211> 295
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. H16171

```

```

<220>

```


<221> unsure
 <222> (1)..(295)
 <223> n = a or c or g or t

<400> 341
 tttttttttt ttttttttaa tttaaacaccc ntatganttt attaaatcca gaactgtggt 60
 aaagggcggc ggtctncgag ggggagtntg gtagggggac gagggacaag atgatgaacg 120
 gccgtgggca tcccntaggg ngacccggnc cccccccgcc caaccacccc cctcngcaac 180
 gctgcatcag cttcaccatg attcccagtg gtgctgggct gggcagggcg agatggctgg 240
 gaaacacaga gggacagagg gacagacaga cgccttccac aaacaaaccc tggnc 295

<210> 342
 <211> 389
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. H16676

<400> 342
 ttttttttta gttttgtggt actacatatg ttttattaaa aattcaaact ttttttcaga 60
 tcgaagcata atttatcttc cattaacaaa aacgaagatc tttaaatttga cacgattaca 120
 attaaaatgc tgaaaggagt tatgaggcat tttaatcatt cttcaattag aatgtttgca 180
 gcatattttct cagaggctga cctggaacac attacctttg ttggcaggca tcaaaggcag 240
 gataaatcct gtggctggaa atcaattgtg agtcccatta ggatgacttt ctaggcacac 300
 atgcataggg tcttgcactg tatccgttct acttctagga aggttgctgt ctggaaggct 360
 ctttccctg ggcgagggtca ctttcccg 389

<210> 343
 <211> 471
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. H16768

<220>
 <221> unsure
 <222> (1)..(471)
 <223> n = a or c or g or t

<400> 343
 ttttttttta atttataaaa atgaaaagtt tatttgtctc atggttctga caggctgtac 60
 aagaaacatg gcaccaacat ctatttcttg tgagggttt aggctgcttc cactcatggt 120
 agaaggcaaa aaggagctgg catgtgcaga gatcacgtag ncaagagagg atacaaggag 180
 atttccaggc ctctttttta cagtcagctc tcatgagaag taatagagga agnaagtcac 240
 ttactactga gagagtggct ocaagccatt ncataaggaa tcaaccacca tgacacacta 300
 gggcctcacc tccaaaactg gggaatcaca tttcaacatg aggatttggg aagggtcaaa 360
 tatccaaaact ataggcatc tacccttgga acgcctaagt atcctgtcct tctcacaagg 420
 caaattacat tattttattc ccattagttt cccgaaaact taacttgttt t 471

<210> 344
 <211> 354
 <212> DNA
 <213> Homo sapiens

<220>
<223> Genbank Accession No. H17333

<220>
<221> unsure
<222> (1)..(354)
<223> n = a or c or g or t

<400> 344
ttttttttta attgttaata ttgctaattt gtacaatggg taatgatctt ataaaaatagt 60
tgtatgaaag caccaaccac cttagaaagt ctgaccagca ttcataatcta ctttccagac 120
cctcatccct cctccccact cacctgactc tgctcggctc attcatgggc tttcctgtgc 180
tctgccattg ctcaggtgag tgagcagttc gcccggcaca ttgaccaggc agatccaggg 240
canccgatcg gtggagccca ggaaatggag aggctggcac agctgcagca atgcctgnaa 300
gctgtcctga ttttctccgg cttngagata gccaccactt ttgagcatta ttac 354

<210> 345
<211> 486
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. H17550

<220>
<221> unsure
<222> (1)..(486)
<223> n = a or c or g or t

<400> 345
tttttttttat ttttaaaaat ctattttattt atcaaaacag tattggcaca gtaattctca 60
tattatcatc aaataataaa attgctactt tctgtactca attctttaga atcctagaaa 120
ttgcaaatgc attcaattta acaatattgt aaataacaat acaaaagaaa gaactctgca 180
tattttatgga aacattgttg atggtacagt tctactgaaa ctcatacaca tttcactatt 240
taattttacat atggnccttg tgaaaaaaac cagtatgttt tactttttca atttccttat 300
ggctaaaata catgtaattc taaagggata tctcttgggt gttataaaaa ccaggaggag 360
tccaccacca ggtcaagggt ggngtcaagg ntacttcaa gggtccctgg aatggatccg 420
gaaaacaaaat ttttaaccna aaatgtggta ccgntttggg ggggcccttc ncgggcccc 480
caacgg 486

<210> 346
<211> 371
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. H18947

<220>
<221> unsure
<222> (1)..(371)
<223> n = a or c or g or t

<400> 346
tttttttttt ctttttttag gnttcatgtt tgttttattt aaagtctggg tgggtacaga 60
aaacacacac acacttaaca gggtaaaata tccaaataaa atttactgca actttttag 120

```

aatttttattt gtgctacaag acacgttgca taagaaacta tttaaagccc ctgaggaaaa 180
aatatccatg gtttaagggtg caactgggtt tgtttcttct ttggggaaaa ggtgatagat 240
gggtctctggg agaaattatg ggggtggagtt gagaagcaca atcgaagggtt atatgggtggg 300
atgattggcg aattgtgtgt cctgggttct tggcagcatt aaaatagcct aatgttttgt 360
tctttttttc a 371

```

```

<210> 347
<211> 187
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. H21814

```

```

<220>
<221> unsure
<222> (1)..(187)
<223> n = a or c or g or t

```

```

<400> 347
ttattgaggg tttattgagt gcagggagaa ggggtcttgat gccttggggg gggaggagag 60
accctcccc gggatccctgc agtctctagt ctcccggtgt ggggggtgag ggatgagaac 120
ccatgaacat tctgtagggg ccactntctt ctccacgggtg ctcccttcat gtcgtgacct 180
gggcagc 187

```

```

<210> 348
<211> 432
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. H22453

```

```

<220>
<221> unsure
<222> (1)..(432)
<223> n = a or c or g or t

```

```

<400> 348
ttctcttggt gctggagttg taaaaatcaa tgtccattg ctgagatcga agctccctgt 60
gtctctgggg ggctcagcag ggacgatggc ctccagagt gacctctgag aaattgcaga 120
ggcatcagag ctgtgggctc agcatatgag gtccccagg gcatagacc cctcctcct 180
gggaagagtg ctctgcaga gcttatttgc aatctcctgg gagtccaga ctacacaaag 240
gattcagatc ctcttctttt tgcctcctac atagagcaca ttatagacct gaaacaggaa 300
tcagaattcc agactccctt agtgaggaga caaagtgtta ggtcttagct tttcccttc 360
taaattaagg gtcctccctg ggattcaggt tgcctgatag cttatncctg aaantggtn 420
gagataggga aa 432

```

```

<210> 349
<211> 233
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. H26288

```

<400> 349
 aaaaacacca gtttgaaaca cattactgaa agtgagtgt cacaataaat agaaaatagg 60
 gatgcatagt gctggagaca ttcaaccaac ttatcttcat ctggtgccta ctgttgtaga 120
 caaaatttga cacacaatta gcattactga aagagcagcc aaactacctc ggagaaagtg 180
 ggcaaaactac tggaaaagta gcttaaagct ctgggaccac tcaccaaaaa taa 233

<210> 350
 <211> 290
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. H27180

<220>
 <221> unsure
 <222> (1)..(290)
 <223> n = a or c or g or t

<400> 350
 aggnntttatt ttggaccaa aaaaaaacca caattgtttt ctagctggaa gantgggcaa 60
 ggggggtccc agacagtaaa ctccccacg ggtgggttga gcctcaggtg ggggtctctc 120
 tggtgtctgt gcttccccac acagcagcct cctcctggn gtctgtggca gccacgggag 180
 gggcagacta ggaggagctg ccacagttnt tcacttgggc aggaagtcag aggactcaga 240
 caccagcttc ccatcgcggg tntcgatctt ctnanaacc acggccttgg 290

<210> 351
 <211> 292
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. H27675

<220>
 <221> unsure
 <222> (1)..(292)
 <223> n = a or c or g or t

<400> 351
 gtgtctccat ggcgagtggg agcgtgaaga tgaccagctt tgcggagagg aagctccaga 60
 gactcaacag ctgtgagacc aagtccagca ccagcagctc ccagaagacc acgccagatg 120
 cgtctgagag ctgcccagcc cctctgacga cgtggaggca gaagagggag cagagtccga 180
 gccagcatgg caaaggntcc cgccagcctc ctggcatctg agctggtaca gtggcacatg 240
 cantcgaagg agaagcgcag ggccatcgag gccaggaaga agaagatgga gg 292

<210> 352
 <211> 327
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. H40424

<220>
 <221> unsure

<222> (1)..(327)
<223> n = a or c or g or t

<400> 352
ctgtatanttt tnncttntttt tttctcttgt gatttggcac ttaaggctta agcgcnaaaa 60
aaaaaggcat ctactgacaa aatatgggac ttgtctgtna tgcattgtaa gtgggctata 120
aaatccaggg aggggggtttc aagccagaag aagctactga caaattgact tgccttatg 180
ttaggtgggg ttatgagggg gagagggagg gcacattctg aggtgctggg ggaaaggggt 240
tgagcttaac cttgttaatg tagggcctgt ggggaatggg atgggtaggg agaagaggggt 300
atgggatgtg ggtgcaggggt aggggct 327

<210> 353
<211> 448
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. H44631

<220>
<221> unsure
<222> (1)..(448)
<223> n = a or c or g or t

<400> 353
actcagcatn cnttttattt tncatatctga catttctaac aaaacgccag ggagacggag 60
ttaaanaagaa tccaccccac gaaaggtaaa caaaggagac cctcagaaac tccctggcaa 120
ggatgttccc ctccccagat tgggcccagt ttcaccagca actgggtctc agactcagcc 180
ttatgccttt ccaactgacac cccccacccc tccacantct cgtgattcag accagggaac 240
ttctcgggct gattgtgtcc gtgtgtctga gggaggggca cgctggaacc tgggaaccta 300
ctgggcacct ctaatgcaga tgagaaaaac ttgagaatgt gaaaggagat cagtccecg 360
tcccacccga aggtgcagag acgcggggaca ttaaccagca gnacgcgggg gtgaaggaac 420
tcagggaat ttctcccant gccagggg 448

<210> 354
<211> 346
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. H48793

<220>
<221> unsure
<222> (1)..(346)
<223> n = a or c or g or t

<400> 354
gatttaggag attccaagtg atacctttaa ttcaactact tatgtcctta ttaataaata 60
catatttaaa aaaacctata caatatagtg tatttacagc atggaagagc agagactctg 120
aagccagact gcctgagttc aaatcctgac atttctactc aaatatgtgt gactgacttt 180
gggcaattta ctactcttt ctgtgtttct atttactcgt ctacaacaat aatttctacc 240
tcatcaaatt aaattaaaaa aaaaacggct taaatagggt aacatttgta aataggctta 300
ggaaaacact acatttaaaa aaataancat tctaaccaca ccttcc 346

<210> 355

<211> 458
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. H49440

<220>
 <221> unsure
 <222> (1)..(458)
 <223> n = a or c or g or t

<400> 355
 ggagtttcac catgttggcc aggctggctc caaactcctg acctcaggtg atccacctgc 60
 ctcagcctcc caaagtgctg ggattacagg catgagtcac tgctcccagc cattagaaaag 120
 attgttaatc ctatgaactc cctttttag tagagaaaagg gccaatctgt aggggtagcc 180
 ctgtccaggt aaagtgtgtt tcagcctcat gtctactgtt aggtgaggga gtcacagcca 240
 gacagagagt attgctggag ggtgagagaa ttgtggagac caactaccac atagcaagag 300
 cccagctctt gggagcattg agatgtaagc tcagggttac acagttccaa atcttgggga 360
 aggggctttt tcagacagac tgtttgcttt ctgctgagat taaggaattg catcantctg 420
 ccagagtatt gactttttaa cagattatta aataaagg 458

<210> 356
 <211> 446
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. H52835

<220>
 <221> unsure
 <222> (1)..(446)
 <223> n = a or c or g or t

<400> 356
 cggataccct gggggcctct gctcctctct ttgtggagac gtcgtttcac cggcggcgcg 60
 tgaccccggc agctgtccag agaccagag atgtccaatc acaggcgcac ggtgcacagg 120
 cgcgcagggc tgcctggaac gggcccaggc aggcatgac cgggacctct ccggaggag 180
 aggaacgggtg cccctccggg aggagctggc caggcaggcg ctgcccaggg cggccttccc 240
 tgctggacta cggcattgcn actgagttat ataaagacac tatttgggga aggacagcgg 300
 gtgaggactn ggcgcggcgg cacacgcttt gcctgttgtn ttcagctctt ctgggggcca 360
 aggcaggag ttccagggtt tacagtgagc ctgatngcca attgctttcc aaaagagaga 420
 aacagagaga aagggattna ggcttc 446

<210> 357
 <211> 386
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. H54764

<220>
 <221> unsure
 <222> (1)..(386)

<223> n = a or c or g or t

<400> 357

```
gatggagttt cgctcttctt gccagggctg gagtgcaatg gtgcaatctc ggctcactgc 60
aacctccacc tcctgagttt gagattctcc tgccctcagcc tcccactggg attacaggcg 120
cctgccacca cgcccagcta attattgcat ttttagtaga gatgggggtt caccatgaaa 180
atTTTTatTT ttattaaaag agtgcattgag ttagtcatga aggcagagcc agggcggcct 240
gcataccaaa tgtgaaggaa cagtaccaat tgacaaagga aggcacaaaa ctaggacaaa 300
ggaaaaggga cttcaattaa ataaggtaat ttggaactaa ctggaaaatt gagggagggg 360
aaatngcaaa taaaatnggg gaggca 386
```

<210> 358

<211> 384

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. H56673

<220>

<221> unsure

<222> (1)..(384)

<223> n = a or c or g or t

<400> 358

```
gttaccaaga cacaatttta agatcaaaca agtgtcaagg taggccatgg cttgttggca 60
gtagtagggg ccctatggct atttccaggt atgggtggcc ccttttcctt ggttatctgg 120
ggaatctgcc acagcagaca gcaaaaggta aaaagcatcc ctttaataac tacacccac 180
tccagcaatt gaggtttatt caggggtggg tcaaagtagt acaagacaaa aatagcttag 240
tgaaatggnt tagaatccag actgaggtgc cagactgcct gcactctgagg tctcaggtcc 300
caccatgtat ggaggccgtg tggaccttgg gggtagggtt actaggcctc cccgggggtt 360
caaatcttct tcacctgtaa aatg 384
```

<210> 359

<211> 440

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. H58873

<220>

<221> unsure

<222> (1)..(440)

<223> n = a or c or g or t

<400> 359

```
actataactt agtgtctgta tttaatattg acaacaaaaa atatatan tttnttgc 60
tctatacaca acagggcagg agtctccatg tnttcttgag cagtgagttt gcaggctccc 120
acagggcctc ttctcatggt aatagtgtgg ccctagtga aaggagacta gaaccggca 180
gccagactg gcccttcccc tctctctcct gcactccagt gcttcccaac tggctcagg 240
taaagaaagn ttantttgag tggttgggta ggaagagatg ggaaggggca aatcctaag 300
ggagcctgac ccctagagtg gggagttcca gggccagcag aacgggtggg ccatagccct 360
ncctgggnt agaagctttg tagttcatag ttcgattagt ntgtccntag ggcatnagg 420
nccagcccta cagattagct 440
```

<210> 360
<211> 284
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. H60595

<400> 360
aagacagagt ggactgttac aaatgatttt gcaaaataca aaaatagata tacttccact 60
gaatgcttta atcatttttc cgggcactct catcttttgg ttcttctca tctgagtaca 120
cagtgggctc ctccccctcc ttcagcagtt tgcccacgtg atgatacttg aaagtgaact 180
gagactccca gtcactcaga gtctcctgct gggcgagctg aggtcagaaa ggcatcgtta 240
ctcatccttc agtgcttcct tatccgggga aaatgtgggc aagg 284

<210> 361
<211> 317
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. H61295

<400> 361
gaaccttcta agggacctca aagggtgattg tgccaggctc tgcgcctgcc ccacaccctc 60
ccttaccctc ctccagacca ttcaggacac agggaaatca gggttacaaa tcttcttgat 120
ccacttctct caggatcccc tctcttctca cccttctca ccacttccct cagtcccaac 180
tccttttccc tatttcttc tctctctgct tttaaagcct gcctcttcca ggaagacccc 240
cctattgctg ctggggctcc ccatttgctt actttgcatt tgtgcccact ctccaccctc 300
gctccccctga gctgaaa 317

<210> 362
<211> 370
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. H64493

<220>
<221> unsure
<222> (1)..(370)
<223> n = a or c or g or t

<400> 362
gggtgcttta tttccatgct gggcgccccg gaagtatgta cacgggggtac gtgccaaagca 60
tcctcgcgcg accccgagag cccgggggagc gggngcttgc cggccgtcgc actcatttac 120
ccggagacag ggagaggctc ttctgctgta agcgggttggt cagagcctca tgcatacagg 180
agcatgagaa gatgttcccc tgctgccacc tgctcttgct cacgggtgagc ttgctgtaga 240
ggaagaagga gccgtcggag tncagcatgg ggaggcntgg gtnttgtagt tnttctccgg 300
ctgcccgtg ctttcccant ccacggggca tgctgctggg ggtagaagcc tttgaacagg 360
gaagtcaggc 370

<210> 363
<211> 460
<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. H66642

<220>

<221> unsure

<222> (1)..(460)

<223> n = a or c or g or t

<400> 363

```
ttaaagacag agtttcgctc ttgttgccca ggctgtagtg caatggcgcg atattggctc 60
actgcaaccc ctgcctccca ggttcaagtg attctcctgc ctcaccaagt agctgtgatt 120
acaggtaccc gccaccatgg ccagctaatt ttttctatct ttagtagagc cgggggtttca 180
ccatgtttggc caggtctggc tcgaactcct gatctcaggt gatccacctg tcttggcctc 240
ccgtgctggg attataggca tgagccacca cgtccggcca aattttactt cttaaaagtg 300
cttttctctc agtgatatca aggtcttctg tctactatta taaccataag cttctttagg 360
cattaaggag ggaaaatggt taataaaatg taattaaact gggatggaat ggtcagtgtg 420
tttaaagtga aatatactta aatgtaatta ccgggngngt 460
```

<210> 364

<211> 291

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. H68097

<220>

<221> unsure

<222> (1)..(291)

<223> n = a or c or g or t

<400> 364

```
tgaagtttat ttncctctggc agtatgtttt agtttcttgt ttttnatttt gttgtgtgtg 60
tatgtgttgt agattttatg atttgaggtt accatgaggt ttgcaaataa cataacatgt 120
tattttaaag tgacaacttg aactgtattg caaaaacaaa cagggcgaag agaactaata 180
aaaactgtac actttaactt cattcctcct gtttttnaag gtttttatgg gtttctatct 240
atatctcctt gtactatctt gaaaagggna ttgcagggtt tcatttgttc a 291
```

<210> 365

<211> 317

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. H77597

<220>

<221> unsure

<222> (1)..(317)

<223> n = a or c or g or t

<400> 365

```
tcaagtctaa gtgtttaatt attattcaca tatttcacag aaaaaaagga atgtagcaaa 60
tgagtcggag ttgtagaaaa aaaaaatcct ggnttttacg tgtcattctg ttttcatctg 120
```

```

acagcagggc tgtcccgaca tcaggcacag cagctgcact tctctgacgc ccctttgcag 180
atgcagccct gggcacactt gggcacagcc caggggnaaa caggagcagc agcctggggg 240
aaaaagggag agagaaggtc acaggcagac ttnaccaggg ganctccctt tcccaacagc 300
aggcctgggc tcaagct                                     317

```

```

<210> 366
<211> 340
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. H81070

```

```

<220>
<221> unsure
<222> (1)..(340)
<223> n = a or c or g or t

```

```

<400> 366
caggtctaaa gtgtttaatt atcactcaca tatttcacag gaaaaggaat gtagcaaatg 60
ggtcaagggtg gtataaaaaa aaaatccagg tttgtacatg tctctctgtt tacatctggg 120
agaaagggttg tcctgggcat cagtcgcagc agctgcactt ctctgacgcc cctttgcaaa 180
cacagccctg gggcacactt gctacagccc acgggnagnc agggagcagg cagctctttc 240
ttgcaggagg gtgcatttgc ctctttgcac ttgcgggaac cagcgcggtg cagggaggag 300
accagcggcg cagggagcag ttgggggggc cattngcaag                                     340

```

```

<210> 367
<211> 330
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. H81379

```

```

<220>
<221> unsure
<222> (1)..(330)
<223> n = a or c or g or t

```

```

<400> 367
ttaanntttt ttaaaaccaa aagaacaact ttaataagct tttacggcac tgcaattaca 60
ggaacatcga ccataacat gcaacaaaaa tgattttgcc ttttgacat atttaacaga 120
taaaacttgac attacaagta acagcaacac attcccatc tactgaagaa aacaaatgcg 180
atttaacttt caggttagaa aacgtatctt cttactgcaa tctcaagtng gcatttngaa 240
agttagttag tcccttttct aacctctaaa agatgatatg atttttaatg caatcatata 300
caactgtttt cacattgggg aatantcacg                                     330

```

```

<210> 368
<211> 419
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. H81413

```

```

<220>

```

<221> unsure
 <222> (1)..(419)
 <223> n = a or c or g or t

<400> 368
 ngagccagaa aaggattttt tttaattcaa gtaactgaaa taggaaacca gaggggggagc 60
 cccaggctgg gataaatcat ggctaccctt ccccaacaga acagggggag gaggtggccc 120
 ctacacccat tatggtcgat tggggccccc ttgctcactc tgctgcagca tcctagaggc 180
 agggcccccac cttccctggg actggggtag tcggtcaccg agcctgcatt gcccagagcc 240
 ctnttcccca caaagagtat cttggggggag ggnttcgtgg ggcagaacag gagggcaatg 300
 agggatgaac attgctcaaa ctcttttcaa aggggcacct gaccgcacag gggaggntgg 360
 gcaggaaggg caagggntgg gggatgccgt ntaaggaggg cggangcagg canttttgg 419

<210> 369
 <211> 386
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. H83380

<220>
 <221> unsure
 <222> (1)..(386)
 <223> n = a or c or g or t

<400> 369
 ttaattgcag aaaaatttat taaattggaa aatcttgcgt ttttcaatgg cgctggcccc 60
 gggtcagcgg cgattttctc tgcataaaga tgggctttgc gtttccgtag tgggcaccag 120
 tggtagcctg attgtcagtc ttctcccggc atttttaagg ccaggagacc gaagcgctgc 180
 ttgtaggcga atacoctaca gagcggtttg gctttttaa ttactgttat tattttgggc 240
 agagaacagt cgggtctgggt gcaccccgct ctgcgtgcag aagaggctgc gagtccgagg 300
 tggggctctc cgggaagggt aaattccttc tnggggntna gcgagccccg gccccgcgcg 360
 gcagtcacgc ggccccgggt ttgttg 386

<210> 370
 <211> 335
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. H84761

<220>
 <221> unsure
 <222> (1)..(335)
 <223> n = a or c or g or t

<400> 370
 cggcacttta ttagtgggga aacncgcctt ggnctggcag agactgggat caacaggacc 60
 ngcacccatc tcgaggnggt attttcngta agancaggng ttccnccctc gtaggtttag 120
 aggaacacac ctcatagatg aaaacccccc cgagacagca gcaactgcaac tgccaagcag 180
 ccggggtagg aggggcgccc taggcacagc tgggcccttg agacagcagg gcttcgatgt 240
 caggctcgat gtcaatgggtc tggaagcggc ggctgtacct gcgtaggggc acaccgtcag 300
 ggacccacca ggggactttc ttcaaagtgc cnggg 335

<210> 371
<211> 178
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. H86112

<220>
<221> unsure
<222> (1)..(178)
<223> n = a or c or g or t

<400> 371
gcttaatggg gccaaagggg caacacaaag cattgaaaac atcactggct cacaaaacca 60
gtcaccttgt taccttctca gttgcatttg tttatttcac aaggtttcat tcacacataa 120
aancaagata ctantccaat tcangttcat aacggttata anggtaanca tttgttgg 178

<210> 372
<211> 287
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. H88338

<400> 372
atgcatgttt aaacatttaa tctagaactt gattacaaag taatttaatg aagaaaataa 60
tctgttataa ttcttataga tgtttattag ttttttagatt taaaaaaaaa acagggctta 120
taattaaagc aattgactaa tgatctcaca gcctcaagggt tgtatgcaa cctagattag 180
aaatactttg gtctctaaaa ataacaaaat ggaccataac attttttttc ttacaagttt 240
gaagtgggtc aattatgggg gaaacacata cattcctaag gggaaat 287

<210> 373
<211> 337
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. H88798

<220>
<221> unsure
<222> (1)..(337)
<223> n = a or c or g or t

<400> 373
nactttaata agtataaagt atataaacia ttaggtaagc ttgtggagaa gctgaccaag 60
atacataaat taggaaatac aagtgtccat ctaaattttc tatatttcac ttttttcata 120
atatttatta aagggtgttta atatacagtt tctcatctgt cattttggaa gtcctttatt 180
gtaaagacaa ttctattgtc tgatgacaaa cagcagccac catgggttatt caggacctcc 240
acgttgagata aattccattt cttcttgaga cacaagtttc cttctgggat ttctgaggta 300
atggntttta ttatttctgg cagtgtctgg tggacct 337

<210> 374
<211> 321

<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. H91703

<220>
<221> unsure
<222> (1)..(321)
<223> n = a or c or g or t

<400> 374
ccataagaca agtgacatat ccaaccaacc atccatcccc acctgtgccc tattctttcc 60
ttgtgtttct ttagagcctt ttcagctatt tctgtgaag caaactgcac gaaggcctcc 120
cccgtactcc tcccctggaa gtccaccggc aatgttatcc catttggcac gatttccaac 180
ccttcaaccc aaggacaaat aaccccagta gggggncaat attaacaatca caagcccagn 240
aaatgattct tcttataggc tttaaataaa ccaggacttt ttaactttag ggtgaatggg 300
tatgctttca acaagtactc t 321

<210> 375
<211> 395
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. H94471

<220>
<221> unsure
<222> (1)..(395)
<223> n = a or c or g or t

<400> 375
tttgttactt ttacatgato tttattatatt aagaaaaacc tcttttaacc atttatataa 60
cagaaaaaaaa atagggaggc tggtagatca tcacatatat agtagctaaa atatgaaagg 120
ccagggaatt tattattaat gaagtcataa aacagactta accaaaagtg tgtgctagga 180
aacaagcagt ttcacttcag agacttcatt gcaggaaccc agtttcctta tgtggaaaaa 240
agtgattata aataacagtt atctgaaagg tggttgagag gattaaatga gatcacctat 300
gcaaacaaat acatgtaggc atgaaagacc atccgtcctg ggggtngtgg aaagtttaag 360
tttccccncc agaacccttc cctttaaggg cctta 395

<210> 376
<211> 373
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. H94475

<220>
<221> unsure
<222> (1)..(373)
<223> n = a or c or g or t

<400> 376
tttttgccca ttcattcttt attcaggtgg cataaaaaatc actacaaaaa ccttacaaaa 60

```

gagccttaag gagctcatgg gatccttccc tgccctcggtt cctgagctcc cgggcagagg 120
agggagacag gagaggaagg aagggaatg ctggcagtgt tgggatctcg aggagccgtg 180
ggaagtctgg cgtgacaagg cacagggggt aggatggagg ctgatggact ctcggcaggt 240
taggccacag ccaaggctgt gccangacac gagttccacg cggggctgag gacaacgctt 300
cgccctcccga gccaccacca gggcccgctt ctccccaccc taagcctagg tgtcccggga 360
caagtccaaa ggc 373

```

<210> 377

<211> 417

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. H95960

<220>

<221> unsure

<222> (1)..(417)

<223> n = a or c or g or t

<400> 377

```

ttttattggt ttagtaatct taacataact taaaataaga gaggggaaat gacatctgga 60
gatctaggta tgtggcccat tgcaattgag cacatttctt gggctctgtt ctctatctct 120
aagggcagtc tcaaaacccc agctcaaaat acgacactaa catgatgaac atgcatgagc 180
tttgaaaagt gctctgtagt cttatgatga tctagaagag cactgtccaa tagaactttc 240
tgtgatgatg aaaagattct acttctgacc tattcaatag ggtaaccact aatcatgcat 300
ggctctcaag cacttgaaat gttgctagtg tgattgggga gctgcgtttt gaatgttaac 360
naatttanat tttaaatcnt taaaaagttt acatgtgggt tagtgggncg ccgtacg 417

```

<210> 378

<211> 439

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. H97538

<400> 378

```

atTTTTgtag ttttgggcaa aacattcact gttctgtttc agcatatttc cttggaacat 60
cttcatctct ttccattttg cggacactcc cttcttctta ttctccttta ctcaaaacat 120
atggttttaga cccacatcat ggctttcttg tgggaagcct ggatgggact agggaaacac 180
atggtttcaa catggtgcat atctgtttgt gcagatatca gacaagattt aatcttgtct 240
aacttatgag tattgttttg atgtttgcct gtggttattc tgggcacagc aatggtggac 300
attattgaaa atgaacttta ttggcagatg aaagataata gaacatgaag atttatgaac 360
taccataagc tctgcatctc tgggtcttca tttccaaagc agcacttgga aaaccaagcc 420
cagtttcagg caaagagtt 439

```

<210> 379

<211> 440

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. H98835

<220>

<221> unsure
 <222> (1)..(440)
 <223> n = a or c or g or t

<400> 379
 caagatcctg cctcccaagc ctataagctt taccaggaga gaggcaggcc ccaccccaag 60
 atccactatc cactctttga agaaagatta gagccatgtt ctcagacttt gggctgcac 120
 ctaatccctg cgaagtgcac aatgtgtgat gactccaccc tccacccgat ccagagggtc 180
 tgggggtgaga cccaaggctg agaggcctcg atggcttctt ggccccatct ccggcagcag 240
 ctctatggct gggctctctt gcaggctggg tgcaccccag gccctcagat ggttctaacc 300
 agaatcgatg ggcagcagtg acttcgactg tatcatcaat cttggctgcc acaagggttg 360
 gttgtccagg ccctcagctt ganccttga ggtggggccc ccacacagag ctttgtctgc 420
 cccagccca ccctcattta 440

<210> 380
 <211> 495
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. H99035

<220>
 <221> unsure
 <222> (1)..(495)
 <223> n = a or c or g or t

<400> 380
 tgagcttttg acaaatttat tgaaacatac aggcggctgt tagcagagaa atcattccat 60
 gattgatgtg ttacatttgg ccactacctt gaatgtataa tttaaaaatt atatttttca 120
 caactaagcc tttgncaaaa aagtcattta gcacatcttt aaagatcaat aagaaatgga 180
 ttttggacat taaaaagatc aagtcactga attaaacagt agcaaccccc attaatctag 240
 aatcccatag tgctgaagggt agagggtgtc gtgcaaagct agtcatttgt taacagcaat 300
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 aagtgtctcc tatatatata gacagtaaaa gtaagcaaag aaacttacaa cacattccaa 180
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ccat 424

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<220>
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<211> 1056
<212> DNA
<213> Homo sapiens

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<220>

<223> Genbank Accession No. J00123

<400> 384

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<211> 1089

<212> DNA

<213> Homo sapiens

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<221> unsure

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<223> n = a or c or g or t

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 <212> DNA
 <213> Homo sapiens

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 <213> Homo sapiens

<220>
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<212> DNA

<213> Homo sapiens

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<223> Genbank Accession No. J03507

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<400> 397

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<212> DNA

<213> Homo sapiens

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<223> Genbank Accession No. L19871

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<213> Homo sapiens

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<213> Homo sapiens

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<213> Homo sapiens

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<211> 3778

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. M20543

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<210> 415
 <211> 961
 <212> DNA
 <213> Homo sapiens

<220>
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 <213> Homo sapiens

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 <212> DNA
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<220>
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<212> DNA
<213> Homo sapiens

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<220>
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caccaccggg cacacagacc ccaacaacga caccatcag caccaccacc acggtgaccc 180
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<210> 420
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<212> DNA
<213> Homo sapiens

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<220>
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 <212> DNA
 <213> Homo sapiens

<220>
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<210> 422
 <211> 213
 <212> DNA
 <213> Homo sapiens

<220>
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<400> 422
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 <211> 1045
 <212> DNA
 <213> Homo sapiens

<220>
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<211> 1586

<212> DNA

<213> Homo sapiens

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<223> Genbank Accession No. M30894

<400> 424

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<210> 425

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. M31994

<400> 425

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aagcatctcc ttacagtcac taatatagta gatttttaaag acaaaatctt tcttttcttg 180
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<210> 426

<211> 1268

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. M33197

<400> 426

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<210> 427

<211> 1081

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. M33493

<400> 427

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<210> 428
 <211> 1056
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. M33653

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cagagggggcc tcccggacct ccggggctcc aaggtgttcc tggaccaaag ggggaagcag 360
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<210> 429
 <211> 1238
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. M34338

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<400> 429
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<210> 430

<211> 468

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. M34516

<400> 430

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ggaatcttga cgggtgacctg gaaggcagat ggtaccccc tcaccagggt cgtggagatg 180
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<210> 431

<211> 1060

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. M34996

<400> 431

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<210> 432

<211> 1104

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. M35252

<400> 432

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<210> 433

<211> 4567

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. M37984

<400> 433

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<220>
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<220>
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<212> DNA

<213> Homo sapiens

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 <212> DNA
 <213> Homo sapiens

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 <213> Homo sapiens

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<223> Genbank Accession No. M63438

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<212> DNA

<213> Homo sapiens

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<211> 2156

<212> DNA

<213> Homo sapiens

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<223> Genbank Accession No. M64673

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<213> Homo sapiens

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<210> 447

<211> 1746

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. M92843

<400> 447

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<210> 448

<211> 2075

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. M92934

<400> 448

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2075

<210> 449

<211> 1080

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. M94880

<400> 449

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<210> 450

<211> 309

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. M98539

<400> 450

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ttccccgagc cctgccccg gctccccgcc aaagcaccct tgccccactcg ggcttcatcc 180
tgcacaataa actccggaag caagtcagtc tggtccttgg ctgtctgcgc tgtcatcacc 240
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caaaggaac 309
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<210> 451

<211> 2653

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. M99487

<400> 451

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gacaaaagca acccaatagt attaagaatg atgaatgac aactcatggt tctggaaaga 2280
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<210> 452

<211> 301

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N22006

<400> 452

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ctatcttcaa agtgctccaa tactaacact ataagccctt tcttttgctc taacatctaa 240
cacaaggggc acactgtccc attaatcca catgcacttt acaaagcaac ttcacacaca 300
a
301

```

<210> 453

<211> 450

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N22620

<220>

<221> unsure

<222> (1)..(450)

<223> n = a or c or g or t

<400> 453

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tttcaagtca cagattacat atattttacat taattcaaat gtccaaagca cagtacagta 60
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ccgggggggtt cccacctaag ttctnaggag ccggggccgcc acccgngttg gaagctccca 420
gctttttggt tcccctttag gtgaggggtta
450

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<210> 454

<211> 368

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N23352

<220>
 <221> unsure
 <222> (1)..(368)
 <223> n = a or c or g or t

<400> 454
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 tagactaata ctgagcttaa agactccaaa aagagcacag aacctgaaat gacagttttc 180
 aggttggtata gttatccaga caatgaagtc aactatacaa ggcaagcaac acatgacaat 240
 aaaacaccat caacagtttc ccaactggagg atggagggag gcttgctggg gcctgggnaa 300
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 gggaactt 368

<210> 455
 <211> 375
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. N23730

<220>
 <221> unsure
 <222> (1)..(375)
 <223> n = a or c or g or t

<400> 455
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 aaataaaaaat ataaatatct gagaatccat cttaataaat aaattaaaaa cncnnnccaa 180
 cgttttcacn nccccntggt aatgtcagaa cattcagacc acctcaacaa tgcattgatca 240
 gtaacattac aatgaacatt gatgttgaag aaaaactaca gtacatggat atagctattt 300
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 atcagaacac actat 375

<210> 456
 <211> 469
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. N24761

<220>
 <221> unsure
 <222> (1)..(469)
 <223> n = a or c or g or t

<400> 456
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aagttggggg gaggaggcca gacctttgta ccccatatgg agccggtaa 469

<210> 457
<211> 454
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. N24899

<400> 457
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cgtctggtac aaacaactat aaaaaatcag ttcattcatgc aagaaaagtg tgcaaataat 120
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agaaaaagtc atgtttaaac tccagaaata atgt 454

<210> 458
<211> 441
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. N24902

<220>
<221> unsure
<222> (1)..(441)
<223> n = a or c or g or t

<400> 458
ggctnacagc cgtttttcta gttccaagtt ttaaatacat ggaaggaagt ccgggagaaac 60
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<210> 459
<211> 466
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. N26713

<220>
<221> unsure
<222> (1)..(466)
<223> n = a or c or g or t

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<400> 459
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tgaaaattct agttgggtcat caattctctt cagagcaaac atcatttatt ctactctata 180
aaaagaaacc taaacaaatt aagatgacaa gtaagaaaaa cttattctct ttatctcctt 240
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tgaggcactt tataatacaa atgcttaaag tggtgaggga ttctgactcc caaaaacatc 360
atttgatat aacaagattt gtactactga cggttgatat acacaattaa atcnttcctc 420
ctagtggatg atggaaaatn aatggttga ngtaanaccg gatcca 466

```

```

<210> 460
<211> 221
<212> DNA
<213> Homo sapiens

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<220>
<223> Genbank Accession No. N26801

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```

<220>
<221> unsure
<222> (1)..(221)
<223> n = a or c or g or t

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<400> 460
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tagatgatta gtagcatgag tggtgaaatg ctgcatctaa gtgcctgtca ctttgctccc 180
agggaatat catgcagccc aggaatagtg ttagactggg a 221

```

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<210> 461
<211> 445
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. N26904

```

```

<220>
<221> unsure
<222> (1)..(445)
<223> n = a or c or g or t

```

```

<400> 461
aagtttttta aaatttatta tttattattt ctttttgctc ttgtttcggt tctcttcctt 60
gagcttcttt ttggagactt tgggtctatt ggcctttctg tatagggtgat acccaatgag 120
gccaggagg ntcggcacca tggccatccc taccagaggc aaaatgccct tcaccagctt 180
tanccagtag ttggctcgga ttagtgcaat cagctccacg tcatactgca cactgcatc 240
cgctgggaca gatggtggaa atccccgttt tccataggcc aagtgagaag gaatgattgc 300
ccttcgcttc tctccacac acatgtcgag aagactctgc tccagacctg gaatcacctg 360
cttttgcca agttctataa ccagaggggc tctgggtccag ggaggtgtca ataatacgtc 420
catctaccaa gcttcccgtg tagtg 445

```

```

<210> 462
<211> 438
<212> DNA
<213> Homo sapiens

```


<220>
<223> Genbank Accession No. N29568

<400> 462
ctttatcggg atttgtttgt ttctgttcct tatcttttcc attctctgtc ttctgctcct 60
ctagatacct ctttgtatag gctgctcctc ctgaagcagc actctcctcc ttctgagatg 120
agccatatgt ggagccagtg gatgggtggac tcttaccac agggctcttt ttggatggac 180
tcaggggaccc agaaccatgg tcgaactgac cttgggtgtgt cccagactga taccgggcac 240
cactcggcag agttgagccc atctgggatg tgctggaaag tggaggacta ggttttggca 300
cggggctagg acgggggtgac cgccgcctca ccaccacaga ctggggagggg gcttttgaga 360
gctgggcttc gctcccaggg actcagctca gaaactgctg aggcccgtga tgcagaacca 420
gtgccgtagg tggcatca 438

<210> 463
<211> 497
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. N30198

<400> 463
tatttttcat gaaatgattt attactttta gaaaacagta taaacttaca aactataaat 60
taagatataa gtatatcttct gccaaagtaa gtcaagaaaa atgcacttca gaatcagctt 120
ttattacagg caatgtattg taaactcgaa catccagaat ctgagttaca cttattattt 180
ttaacatttt actcaataaa aatctgatat actgggtcca agtgatgaca cattccaaat 240
taatgtaact ttcttgcagc ttaaataaac aaatttagat caccaagtga aatcaaagcc 300
aagtgtattt gcacaactca agaatgatgt gaatggatta gaatctctca tagtgcatac 360
ttcgccattt atacacaaac tttgagagtc ttctgagtga catggtattt aactttgttt 420
ccaagggcca aataactaaa tgtatagaat atcctactct atactcacta ttaaatgtca 480
tggaactaggg aaatctg 497

<210> 464
<211> 585
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. N30856

<220>
<221> unsure
<222> (1)..(585)
<223> n = a or c or g or t

<400> 464
gattaaaaag agaaaatata ctgtaaaata tttatttaatt aaaaataatt ttataatcta 60
tacagaattg aataaaaagt acaacaaatt attttcactt atttacaaaa ctgcatacag 120
tacaacttgc acattgagtt cagcattcta taaatatggc cacataccaa gatgtgaaca 180
tattcttgtc ttatataaga aaaggctcag gttgtatgcc acaaactttg aattaaattc 240
cagggaataa ttgctttggg aacatgaaca atttgtacca cattccatta aaaaaagatt 300
taataaaatc cctcaaacag cacttttcta cttgtttcgg agtacacaat tcccaaatta 360
gcacaaacaa aacaaagcaa aaaaagaaaa acagacagaa tgtaaaatgn aggttgctac 420
ttttatgata tcacttcctt ttcccttccct tagctagtgg tcctttccct tcccctaata 480
gtaagggtgg gngaattggaa atggcctatt cctatccca tccatttgcc tccaggatcc 540
ctgcttaacc naatgnggta tggctcgnctt ggccacctgn cacc 585

<210> 465
 <211> 579
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. N32748

<220>
 <221> unsure
 <222> (1)..(579)
 <223> n = a or c or g or t

<400> 465
 cagcagaaga gtgacctgat tttattcacc ttttattgga aatctgtggg acagaactag 60
 gcaatgaggg tgctacaata ataaagggtga gtggtggcag tggcttgacc agagcagaag 120
 tgggaatgaa acagttggat tctgtttgtt ttcaaagaag agtcataga acttactgat 180
 ggnttggtat gtaggatgtg aaagaaaacc acagaaatga ctccaactaa aacagtaaaa 240
 tgccattcac taatttcaag atgatgagag aagctgtttt gcagagataa tgaaagaaat 300
 tctgtttgaa gcctattaaa gtttgaagtg catattaatt ggactttcaa gttgagatgt 360
 caagtaagta gcaggggtctc tgagtatgga atacnaggct gtgggcnagt gacttancgt 420
 ctgcaacatc cacatatagg cagcatcncc atagcaacaa acatccngtt ccaaataatc 480
 cgccngatct tcttcctcca cgtccatctt cctcagagtc catcaggggc cncagnact 540
 ggcnaatcca cncatgngcc cgttacctcc ttctcngca 579

<210> 466
 <211> 355
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. N33927

<220>
 <221> unsure
 <222> (1)..(355)
 <223> n = a or c or g or t

<400> 466
 acaattctcc gcagatttta ttaattataa cttttttttt cagacgtcct gccatcttct 60
 cattcagact tttcttagca aaggtagtcc atggcaagta atgaattccc agtaactagg 120
 tctgtaacag aagtaaatc tgtttttatg tttataaact caaaaagtaa catgaagtgc 180
 aaacaccttt agttccttcc cctcggtaac cttcttttga tgaaccagtg tgcagcaaac 240
 caggatgaag ttggatttgg gtgggatcca cacaggatcat tttcaggcaa gatgagactt 300
 cccaagttcc atgnatagat tcatattatc agttatttta tgcattcatt tctcc 355

<210> 467
 <211> 455
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. N34817

<220>
 <221> unsure

<222> (1)..(455)

<223> n = a or c or g or t

<400> 467

```
aacagggatt tatagcagct ttattcaaaa taactaaaat ttggaagcaa ccaagatgcc 60
cttcagtaag tgaatggata aactatggta cacacaatag aacataattc agcactaaaa 120
agaaatgggc tatcttgtcc tcaaaagatg aggaaactta aaagcatatt actaagtaaa 180
agaaggcagt ctgaaaaggc tacttactat ataactgcaa ctatgtaaca tgcgaaatga 240
tggagatggt ttgcagggtt aaggggatga tatgtaataa acaggaagag cagggatgac 300
ttttagaaca aagtgttctg tgagggtacta taaggctggg atacatgtca ttatacattt 360
actccaaacc cataagcatg taaaaccncc aagagttaac ccctaattgt aaacctatgg 420
gcccttgagg ccacctatgg atggcnccaa tggtta 455
```

<210> 468

<211> 412

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N36001

<220>

<221> unsure

<222> (1)..(412)

<223> n = a or c or g or t

<400> 468

```
attagtgaat tagtttattt aaaaccatca gtttttccaa tgtgaatgga ctgggttcata 60
tcacaccata ttagagata caagggtgatt ataactaacg tgtctacaag acatactggg 120
tcaaacaatg tgatcaatcc aaagggatc tttttaaaaa gaatttaagt actcagctgc 180
aaagataagt tcaactaatga gatttttctt tttttttttt taaaaaaaaa aggtttttta 240
tgagtcaaatt ttattacaaa aacttagtgt gtaatcaaag ccaaatacat tcctcaggca 300
tgccagcgga acgcaaaata atgttaatat aatgttatta aaaaataaaa ctttttctga 360
atgatataata taanacctca tggcacatta tcctcatttg gacaacngga aa 412
```

<210> 469

<211> 430

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N39415

<400> 469

```
cagagaataa catttatttt atttggaag ttttcctaaa tatgagacta tctgctattt 60
ctcagactaa gtgaaaaatt taataaaata gctgccttga taggaggaaa acaaagtctt 120
tactttataa ggaataacgt atgaatcata aaagaagaat gagcgatcat gggaaacatt 180
tagcttttca aagttttttg aacatgtacc tttaatgctt ttgggatcca gtaaaggcca 240
ggaaaggcaa agagttgaaa gtttcttggg tttatcctcg tacttacatc attagtaata 300
ggaataatgc atctcaaatt tggggcattt atataaaaac atgattttta aatggtagtc 360
tagtataaac taggattttg taatgctgtt taaatatttt catattactt tgtttcgaac 420
gtagacattc 430
```

<210> 470

<211> 443

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N40141

<400> 470

```
gctgactcaa gttcttcagt tcacgatctt ctagttgcag cgatgagtgc acgagtgaga 60
tcaagatcca gaggaagagg agatgggtcag gaggtcccg atgtgggttc attcgtggct 120
cccgggtgaat ctacagcaaga ggaaccacca actgacaatc aggatattga acctggacaa 180
gagagagaag gaacacctcc gatcgaagaa cgtaaagtag aagggtgattg ccaggaaatg 240
gatctggaaa agactcggag tgagcgtgga gatggctctg atgtaaaaga gaagactcca 300
cctaataccta agcatgctaa gactaaagaa gcaggagatg ggcagccata agttaaaaag 360
aagacaagct gaagctacac acatggctga tgtcacattg aaaatgtgac ttgaaaattt 420
tgaaaattct ctccaataaa gtt                                     443
```

<210> 471

<211> 513

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N47686

<220>

<221> unsure

<222> (1) .. (513)

<223> n = a or c or g or t

<400> 471

```
gggttttatgg ggtttaattt ttaatactgt taacatcatc gagccagcta aacaccaaga 60
atatcaataa atactaatag tttgttttca ctccctcctt ctggttgagc actttgactt 120
tatatacatt ccagtcttag tgccaaggcc ccattggggt tcaaattcca taccagagca 180
catcacctgg atgtgactct catatgctca aggatattcc tggagttgaa aggaaatata 240
aaatgagcat aagaacagat tacagacgcg tcagtatgaa agttgatact cgtgaaaaac 300
agcagtttgc tgagacctg gaagttagct ggagcagtc ggcagaaatg actcgtgacc 360
atggctgcaa atgggggctt ttctcacaaa gggctttcca ccattctttt cttgggcttg 420
caggtagaag atgcggtttt cttcaggata agtaacttta ctgaggggca tcttgtagat 480
gttgaattt tttgtggtca tgatgaggaa cnt                                     513
```

<210> 472

<211> 442

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N48056

<400> 472

```
atataatatt caactttatt tcaaataata caattttaaa atttatcaat ataccatta 60
cgattctttc tgagtgcacat accacacaaa ttcaatacgg attctctaaa gaatcctctt 120
aggctacttc actcaaagtc tctgcagctg cctgcactgt gaaggctgca acataaatct 180
gtctcttcac ttctccccag gccttggaag ggtccacttt gctttcaata tcaaacagag 240
catcataaat tcctgggaat gactcccctg cataacttgt gtggctgctt ggagcataga 300
tgacatgcct ataaaaaggc ctgtctggta accctaattg atcaataaat gctctttcca 360
gaaacatgag ttgatcattc atcattotta atactattgg gttgcttttg gtcaaagtcc 420
tgaggtctct cactgaactt gg                                     442
```

<210> 473
 <211> 475
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. N49899

<400> 473
 ttccaacaac atttgggttta taaaggaata caaacaggca caaaacatgg ttcagaagat 60
 ttattaagta aacttgctaa aatatggaca gatacactta gcagtcaaac agttgaatat 120
 taattgctac ctcatataag tttttgtatc tgtattacca ggtccaaaca taaaaaccac 180
 ctctgttcaa aaaataaatg ttcagagagc tgtatgttct ttgttcttgt atgtacattt 240
 taaaaaaaca cctctttcca gtcttgctaa ccaagaatat tagtcatata aaagaactta 300
 gaattttttt cccaagtac aagctatctt ttggctccaa aacagttctg aaggttttat 360
 ttatatttta tcttatcccg agggaccaac agcagggcat acctttggcc aggccttctt 420
 ggcagaaaga cacagagccg taaagggaaa aaataaaatt gccataaagg tatag 475

<210> 474
 <211> 474
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. N51529

<220>
 <221> unsure
 <222> (1)..(474)
 <223> n = a or c or g or t

<400> 474
 gcaaaaaata aatataaaat ttattaaaaac acccacaata ttttaaagat accaggagta 60
 atacagttca caaaccagc tgtttgtgta aattataata aaatacaaat caaaaaggat 120
 acatacttgc aattttctagc caccctaaat taaatttact gaaacactga gggagaagg 180
 agggttaagga ggggtagctc aggaggcaaa ccaataaagt ggaaggaaaa aatattaaca 240
 aaaaggtaaa aattatacaa aataaaatta tcagcgtaaa ttactgtac taagaatatc 300
 tacagtttaa tacacatcct attgcccttg agacatttgc aaaaatctac cattcatcca 360
 tcaaccccag attaaacttc attttcaagt agccccagtt ttaccaagtc nagacnggaa 420
 tattttccagt atgggttggt aagttcacct ccantgggag gccaggttac ccaa 474

<210> 475
 <211> 507
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. N52254

<220>
 <221> unsure
 <222> (1)..(507)
 <223> n = a or c or g or t

<400> 475
 tttctattaa tctttattta tatgatgggt ctctggaaag cacttcattt taaaacctgt 60

```

ttctgagata agtagcataa ggcgcatTTg aagaaatact attgttgTat cacagagaac 120
ttccatgcct tgaaatcatt tttttcagag tattattaat aagatggTct agctatgcag 180
agcaaaaaag aaaaaaaatc ttcaaaagcc aagactgtca ggcaatgaa ggtatgcata 240
aactgtcttc acatttaatt ttgtatgatt cgggagatac ctccatgtac atctaaccag 300
gtcaggcagc ataagtcctc agtaaccctg ggggtgtgccg gcttcaagcc aaagtattct 360
gttgagtttg gtttgtggag agacatttga aatgttgctt catagcttcc attttctgga 420
gaagtggaag aaatgaagcg tnaaaaggcc taggaaatcc tcgtcttctc caggctcttc 480
ttctccttct gcagnttctc cctcctc 507

```

<210> 476

<211> 166

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N53359

<400> 476

```

catctaaaag tggTTTTTTa atatatatat tttttccaaa ggaagaaatt tcttgctttt 60
actcagggaa aaaaaaaaaa ttaagggtaca tttagagtaga atgatttcat ctaaaagagt 120
tctttcagga gacatctgtg attcactgca ttgtttttat tttctt 166

```

<210> 477

<211> 380

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N53447

<400> 477

```

gtatagagta aaattttatta tagggttgta gaattcatac aacctaaact ccttacagca 60
ttcagcacct acacaatttt gtgcattcca aatacagata gtagtgagaa agaatcactg 120
cattagttaa aaatgactgt ctcatgaaaa ttctgttcaca tataagtcag gttaattaca 180
gagcacctaa cagaactgca aagatgtaat ttctaaattc aagaaagttg tacaaaaatga 240
aaaacaaaag aaaccaacaa tgttgagatc tgatatattt tacacaaaaa gttcaaaaac 300
aatttaaaat atttcaaatt ttaaaattgc tccaccataa gatgaataaa gagcttactt 360
aaaggaaaag aaaaaaggaa 380

```

<210> 478

<211> 400

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N55502

<400> 478

```

ctgtgaataa aactttttaat aatgtacagc agaaattgga caggctcatt cttatatataa 60
aacaaaagat ttcttatatt acaatttatt tacatttgca tactgaagag gtaaagtgtc 120
taagtggcta ttttacagtc ctttctaata aaatgtacaa aaacaaacag aagtaccgag 180
aatgccgttc gggggccttt atggcgacgt aagaacgggc ttggacttgg tctgtgaatc 240
cagaatccag aggtgcaggt agcactactg gatcagggtt agcctcgggg ggccaaaaac 300
acggcttcag ttttcccca actctcactt agtggttaaga gtggcagagg tgggtgtggg 360
agcttcccaa agacctgctc catcttcccc agagggtggaa 400

```

<210> 479
 <211> 430
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. N57577

<400> 479
 ttccctcagg tggttaaagg ccaccaaaca aatactgggc aacagggggt tggtgggaga 60
 gttagaaata aaaaattaac caaatTTTgt ccctgtgtta attcaatgcc agcaaggagg 120
 caagtactga agaagaaaag ggacaatttt catactaaaa aagaattcct ctaatcatgt 180
 caccatctca tataatgaat ccaggggaatc ccagaaatag aaaattagtt tcaggggacc 240
 cctgaggcac tttaaagcct tttaaaaaat tacagtaata ataaattaga tattgctctt 300
 cagaggctaa cagagcagca gaagcatcaa gatcagggtcc aaagagttat gccacattt 360
 acaggcttcc tggagctgct cagccctctt ttaaagctta gttgaatcct ttaaaatacc 420
 ctttaaaaag 430

<210> 480
 <211> 369
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. N58172

<400> 480
 cctgaccgta ctctcaaaa tccagattgt ttgtgcatac atttaaaaaa aaaatcaatg 60
 gaaatttcca ctttgttgc aacacataaa gtatgccatg agcaatataa catcacaaac 120
 gtactgtgac aaaccattaa taaagaagga ttactaagcc aggtgtggtg gtgcatgcct 180
 gtagcccgag tatgcaggag gctgaggcag gaggatcact tgagcccggg agtttgagtc 240
 caccctgggt aacacaccaa ggactccatc tctaaaaaat taaaattaaa aggattactg 300
 aaagatctca tttctaaaaa aagaaaaaag aaaaagatca ctggaagtcc agacatgata 360
 tttttaatt 369

<210> 481
 <211> 445
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. N59532

<400> 481
 ggcaagtaag aaggaagttt aatTTTTTTT tcaggattca gtggagtcca ttaatgcata 60
 ccaggggcaa agatcagccc agggtaaggc aagtctggga ggaagcccac cctgccttac 120
 agcagccctg gaactcagaa taggtggtga gtctgccatg gtttgctact gggcagcaca 180
 ctagaccaac ttgggaatgt ggaagagtga gtctatgttc cctcagccat cccaagttt 240
 acacacaggc atagcagccc tactgtgagt cagcaatcat tcctgacttg cagtaaggac 300
 aatttgcatt tacggaaagc aaactggagg gggtagccta agtccgcact gcccatgtta 360
 ttaccctttg caatgtgaaa aacctgggtg aggtaggttg ggcaggtttt atcctctcca 420
 caaagggtgag cctttgctcc acagc 445

<210> 482
 <211> 473
 <212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N59831

<220>

<221> unsure

<222> (1)..(473)

<223> n = a or c or g or t

<400> 482

```
acctataaat atatatttatt catacttttta aatatttttac aattcaaata aaaaccttat 60
atgtagacaa tctgggctaa atttccatgt atgttttgaa aaataatggt agcatgaata 120
gattcatatt taaatatgat tttaaatact cttaatagag gagacataag aaatattttac 180
ataaaagcta agtagcatga tacagctcat gggtatttttc ctcattaggaa aacaattact 240
tgattttttt tttttgcata ggattaagac tgagtattctt ttctacattc ttttaacttt 300
ctaaggggga cttctcaaaa cacagaccag gtagcaaata tccactggcn ctaaggntct 360
caccaccact tttctcacac cnaagcaata ggtagnatc caggncacc cttctgaggg 420
nccggaagga atgggttcgg gaaaataatg gnttttaaaa nattaccatt aag 473
```

<210> 483

<211> 441

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N59866

<400> 483

```
gttttttttt tttttttaat acaaaatttta ttttatttct atgtactaac aatgaacaat 60
gggagggtatt tacaattaca gtcaaaacca taaaacactt agaattttac aaacttcaag 120
acctacacac tgaaaactat aaaacatttc cgagaagtca aagactaaat aaatggaaga 180
tgatactatg ttcatcaatt agagtactta atatgttatt aattctcact aaattgattt 240
atagattcca tacaatcctg ctcaaaatcc cagcaggctt tattctgggg aaatattgac 300
aacctaattc caaatgttat agggaaatgc aaaggaccta gaacagccaa aacaacttga 360
taaaaggaca aaattgaaat ccttaaattt gactcccata tttccaacaa atctacagta 420
attaagacaa tggatatagg g 441
```

<210> 484

<211> 419

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N63047

<220>

<221> unsure

<222> (1)..(419)

<223> n = a or c or g or t

<400> 484

```
nttattttta ataaatatatt taattctatt gttgacattt acaagtagaa agcatacagt 60
atgttacaaa tatcaaatg agaaaaatat gaatgttaca taagtaacaa atataaaaaa 120
agtattttct taccttccct gaaagtaaga aaactattca gcataggaaa atatcagtat 180
caaaaacaca gcttaggtgt aaaaaaagtt tttacacagt atttaaaaaa aatgatctac 240
```



```

aaaatgacaa agtaagtgtt gaaatctgat ttcataataa ttataaaaaac tgggtactta 300
gagtaaatgt tatctggttg gaaaataagt ccaatcataa gctttcctta ggtcaattct 360
ttaaataatt aaaagcatat cgaaaaattt tccaataaat aaccttnaag aggggttcc 419

```

```

<210> 485
<211> 189
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. N63536

```

```

<220>
<221> unsure
<222> (1)..(189)
<223> n = a or c or g or t

```

```

<400> 485
nagcaagcaa aaaactacct ttatatatga tgttattcaa atacatggat aagataacac 60
attttatgat gtaaaaagta atatttaaaa attaaaaggc aagtctttct ggtattcaga 120
agtctgaagc aaccactgtc cagctcttta aaaagagcac attccattct ggtggcacac 180
aatgtaca 189

```

```

<210> 486
<211> 523
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. N64683

```

```

<220>
<221> unsure
<222> (1)..(523)
<223> n = a or c or g or t

```

```

<400> 486
acaacttttt taatatatat ttttataaac aggtcacgtg ataaaatagc acaagaaaca 60
cttaccaaata ataaggttat atcttccgca tatacaggag aatgaggtcg ttatgtacaa 120
taagaaaatg attttagggg ttggttggtt ttgttttctt ctctcccctt aatttttctt 180
cctacagtgc ttggaaatat cacagcttca gttgcattaa tactttgggc aaatggacag 240
ctgccccctc ccactagggg tctgtgggga ggaggggctg gagaaactgg ctcttgacca 300
ctcagccctg gagcttcctg gggctggcac tccagggaca ggaaaatctt tgggctgttg 360
atctgtttct gattcaacag catctctctc tctcttttnc ctctctctcn cagtctcatt 420
ctctctctca ctctctggct ctctgggaaa cgggtactct cttccaacca gatagggagt 480
gtcccaagat tgggtgtggg gcgcgggtatc tctggggnc ttt 523

```

```

<210> 487
<211> 401
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. N66802

```

```

<220>

```

<221> unsure
 <222> (1)..(401)
 <223> n = a or c or g or t

<400> 487
 ttttttttca ggccaaacta aagcttttatg ctataaaaaac aagaaataaa ataaggagat 60
 ttataggccg gctgattgtc agcaaacaca atatatttac tgtatttagca tttgctcaca 120
 gtgcaaattg tacaacatta caccatttca atatttcggt ttttaaaaaat gctgttttca 180
 ttaactatat tatattggca ttacaatatg acaaaggagc aaatgaaatg ttgggtgaaga 240
 atttcacctt ttcacaatat caagcatatt tttttaacct tagtataagg tactataaat 300
 ccaagaaata aaaacatcca caaaatatat tacatctngg tttgtctttt ttctaagtag 360
 tcaactttat acaaaagtct ttcaaaaaat atcatttccc c 401

<210> 488
 <211> 451
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. N67041

<400> 488
 aacatttcat ggaaaacttt ttattggttt tctggataga aacaggaatt tatttgccag 60
 gaagaatgat cccatcatac ttcagctaga accagtgatg aggatgattc agtcttaaaa 120
 aagaaggaaa tccagtcata agctacagca tgtatgaatg ttaagtgaatg tacgccagtc 180
 acaaaaagaca aatactgtgt aggtatccaa agtaatcaaa ctcatagaaa cagaaagtag 240
 aatacttgct gccaggggtt gcaaggacca ggaaatggag agctgttatt caatgggtat 300
 agtttcagtc aagtaaaata aaagaagttg tacaacaatg tatatatggt taacaatact 360
 gtattgtaca gttaaaaatt aagataaact tggatactta tttttaatgg acaattttta 420
 aaaatagggtg tgggtaacaa tttccaatgg g 451

<210> 489
 <211> 231
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. N67575

<400> 489
 tctattttaga tcggattttaa ttttgcaata tttattatat attcaattca aatgtactca 60
 ctattgtgct aggcaattga aagtaaaaag tataaagctg cattttgctc tctcagtgag 120
 gtttaagtca gggaaatgag gcatgcacac aaaataacga gaaagtagta taatagctgt 180
 gatcattagt tatcaaaata agtgaatgag ctaataatca ttgttagaat a 231

<210> 490
 <211> 334
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. N67815

<220>
 <221> unsure
 <222> (1)..(334)

<223> n = a or c or g or t

<400> 490

```
tttttttttt tggtaaagac ttttaagaga aagaagtatt ttaaaaagta gcagtgtctct 60
gaggctcagg gtgtaggatc gggggcacag ctgggtcccgg gaggcccctt gtgcacaggt 120
ggtggcccag ggcnaangtc tcgctcttgg gggacgcgcg gccgggggac ngccatcgtn 180
tccggcccgg ggctcccggc gggctccggc ggcagggaca atggcgaggc cgctcaccac 240
ttnaggaana ccatcccggc caggacggtn tagcccagca ccaggaagag gaccttnagc 300
anacggtcac tcttctcttc canctccttg gccca 334
```

<210> 491

<211> 478

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N67876

<220>

<221> unsure

<222> (1)..(478)

<223> n = a or c or g or t

<400> 491

```
agtcaagtac tttcttaaag aaacaatagc accacattgg catagctggg ccaaacaata 60
aatgggaaaag caaaatgtgc tacatctttt attctaagcc ttctcccaag tgcataaaat 120
agtaacagaa accctggagc cacagagcat gagatcgggt tcatctacac aaacattgac 180
gttccaagga gaggaaggat tctcaagggt ggacaggctt tttgtttgtt tgtttgtttt 240
ttaataaaat tttcaaggaa gtgatttctt ttcagtattc cattggatcc ttagggtgaa 300
tgtgtgtgtg tgtgtgtgtg tgtgtgtgtg tgtgtgtgtg tctgtgtatg taggggtggg 360
gttaagagat tttcatatcc ctaagaaaga gtggattcng atggagagct gcattaactt 420
tttcagggga actgcctcat cttaaaaagt ncaaatctcg tgccgaattc ctgcagcc 478
```

<210> 492

<211> 415

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N68350

<400> 492

```
accggctaaa agctttaatc cagagcctgc cctactctga tagtaccaga gtggagggca 60
gaataccaaa tgtccaggaa ccaaaggcag ggctgtgggg acctgaagag cagcacagtg 120
gggcccgtgc tgctgtgggg gaaactgagg ctgggagctc agcagagacc ggtgtcaaga 180
gtctctggga actgcatagg cctgaggaac atgcattttc aagttgtcca ttgatggttt 240
cgtacctgaa tttctcacct tttgtgaaca tcttgggagg gtggggggtt tgcaggggtg 300
ttaaaaagcaa ggcttgggag cccctttcct ccagctgggtg gctccttctc agggcctggc 360
ctcattcagg ccactttgta gagaaatgcc ctgacctcgc aggaaggatt tcccc 415
```

<210> 493

<211> 285

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N69207

<400> 493

```
tttcttttatt atacttttat tgtttgttta attcattttt gtctgtttaca aataaaatttc 60
aaactagaga gtcacagatg ttaataaaact cgcccaatgc atcacctgcc tccgaattcc 120
atagtttcca ctgccttgcg ctacttgcac tctgattaga gaatggtaat gtgtgcctct 180
ctgaatcaag ttcaagaata aatgccctat cctggctaac acggtgaaac cccgtctcta 240
ctaaaaatac aaaaaattag cggggcgacg atggcgggcg cctgc 285
```

<210> 494

<211> 293

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N69222

<220>

<221> unsure

<222> (1)..(284)

<223> n = a or c or g or t

<400> 494

```
ttttatgagc aagcgtgggt tatttcataa atgcaagggt agcttaacat tgaaaactta 60
atctaattta taattatgta aatgaaagaa taaaaataat atgatcacgt taatatttac 120
agaaactgca ttttaataaaa ttcaacattc attcatgatt taaacaataa aagaaaactc 180
ttaacaaata agaatagaag anaccttcaa cagtctgact ttaaaaagag aaagccccag 240
aaagcctatg naaacatttt acttaatggg aagataaagt ttttttctaa aaa 293
```

<210> 495

<211> 320

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N72253

<220>

<221> unsure

<222> (1)..(320)

<223> n = a or c or g or t

<400> 495

```
cctttttctt aaggaatcca ttcatgttgg aagcccagat tccctaacat atgcactagt 60
ggttggctct gggaagtaac agtcaccaga gtctggaagt tcttcgcttg aactttgagt 120
agccactggg actattggaa gccagatggc canggtattg gnaaatgggc aaggggaaat 180
ccaagctgg gctcaagagc cgtggggttag ggaagaagaa ggtcaagtgg actggtaaaa 240
attctacttc aactgccctt attcatagat acaactttcc taacagtctc actctccacc 300
agtcccatat ccacaaccca 320
```

<210> 496

<211> 465

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N74291

<220>

<221> unsure

<222> (1)..(465)

<223> n = a or c or g or t

<400> 496

```
agagaataaa acttggattt attcagaccg tatgcttccc atttgggggtg cagagtgggg 60
gacagtcatg gggacagaga aaggcagtgc atttggcttc tagggacatg ctgattgctg 120
actctttggg tgacctttgg gccaccagat gaccagctga atgatggaga tggatgatgaa 180
ggggctggcg gccaggtcct tctggagacc tcacagtgat tccaaacaga gaccaacgct 240
gtgtccagtt ggctctgttc ctctccaggg attaaggagc agatggctgg gaacactcag 300
actaattaa gaaataaaaa ctctgggtag agggacactc tggggggctc caattcaggc 360
agtgggtgtg aaattcacac atgtcgatgc gtgggccagg cccgtgtgaa aaacatgtgt 420
gtgtcngtat atattacatc ctccacaagc anctgggagc cccca 465
```

<210> 497

<211> 212

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N75870

<400> 497

```
tcagcactga tggaaaatac cagtgttggg ttttttttta gttgccaaca gttgtatggt 60
tgctgattat ttatgacctg aactgattat ttatgacctg aaataatata tttcttcttc 120
taagaagaca ttttggtaca taaggatgac ttttttatac aatggaataa attatggcat 180
ttctattgaa aaaaaaaaaa aaaaaaaaaa aa 212
```

<210> 498

<211> 229

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N75960

<400> 498

```
ttaaattaat agatcaaaag ctgctcgcat tacagagaca accaatagta tgaaaaaacc 60
agcatgctat caccaaaatc caaactaaga aaaactctac aaggtaaaca acacaacttc 120
ttcaacaaat atattgtaag agggcagaga gatgctgatg aaccaatagg tgagtgaacc 180
ccaaacctgc agcttcagat cacctgggaa tttggtagag atgcaattt 229
```

<210> 499

<211> 440

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N78630

<220>

<221> unsure

<222> (1)..(440)

<223> n = a or c or g or t

<400> 499

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gtttattaaa ccagatttat tctccacaag ctgaagatac ctgagggttac atgaggactg 60
gcattaaata atttataaat gtatttttga ctgacagact tttatcataa ggattcatgt 120
gtttacaaaa gcaaaatcca acctctccag agctagaaa tggaagggtg cccgggctgc 180
aacacagcct tgggggagga tgaggccaca taattctctc tgccacact ctcagaatgc 240
cccaagaagt tagtagctac acaaagccaa gccttggggg aaaacctggt ccgtggtgtg 300
gactctccaa aatgcagacc caaccggang ccggggccgc ctttccatct ggaggcactg 360
cagggtttct gaaagcggcc catcccagga gcctggcaaa cacccccaga gaccctcagg 420
atgcgagacc ccgggggttt 440
```

<210> 500

<211> 144

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N79070

<400> 500

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catttcttat aaatttatta cataataata ttataataat tattatcaat aataataata 60
taagaaacat agatctctgt ggggcgtatc acaacgtcag ggtcaggagg cctcaggact 120
ggagcagggg gtgaaacccc ggga 144
```

<210> 501

<211> 446

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N79778

<400> 501

```
atgttagaaa attttaatat atgatttttg tagggccaat acatagtaaa gacatagctt 60
tatttcaatt gaaccgaata aaatgatgta tttcagtaaa ttaaggcaaa ggagatagat 120
gctatgacca gtggtgcaaa atttttcaca taattatata ttagatttac ctttacaagg 180
ttatagtcaa gaataattaa tttgtatttt aagcaaaact tactgctttt caaaaaatgt 240
cttaattcttg agtgaggaat agtgaaggta atcttaatat actgtttaac tttaaaaaat 300
aatttttagaa ttatagaaaa gtttcaaaaa gagtatagaa tttatgcaca cccttctgcc 360
agctttcctt aatgttaaca atgtacataa ccataatatg attttcacaa accaggaaat 420
taacattaca gtagtgtttt aatttt 446
```

<210> 502

<211> 409

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N80129

<220>

<221> unsure

<222> (1) .. (409)

<223> n = a or c or g or t

<400> 502
 agtctagatg aatttattgc cattcacata tttcatagaa aaaaagatgt agcaaacggg 60
 tcagggttgc acaaaaaaaaaa aaaaaaatcc aggtttatat aggttgctct atttacatct 120
 gagagcacag ctgtcctggc atcaggcaca gcagctgcac ttgtctgacg tccctttgca 180
 gatgcagccc tgggcacact tggcacagcc cacaggnang canggagcag cagctcttct 240
 tgcaggaggt gcatattgcac tctttgcatt tgcaggagcc ggcacaggca caggagccaa 300
 caggcgangc aggagcagtt ggggtccatt tgcaggcaag gagaagcagg agttcccgat 360
 tcaagaggaa aacacgcagc gggacagatt ctctgtccga attcttggc 409

<210> 503
 <211> 406
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. N80152

<400> 503
 acctctgtca atgattcttt tgagaaaagc acccataatt tgctacttga ggatttttatt 60
 ccttggattc tctggatgct cattgcatga aaagtggaaa agtttagatc tatggaaaca 120
 gaactgttgc ctatatcgga aaatcagtgc cttgtggaat acaggtaaga acagtgttgc 180
 tcttgaaaaa gtggacagtg ggtggtctga atgtgtcctg gtccctggag tgggttttta 240
 gattgatgtg gactcttctt agacttgtaa gtaaaaaagt tgtttcttcc cctaaaaggg 300
 aactcgtgcg ccttagacct ggggaatttgc tgggaaactg aaacattctg tagactttac 360
 ttgtttccaa ctgtatcgca gcaagaagtc tatgtgcccc aggatc 406

<210> 504
 <211> 508
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. N91461

<220>
 <221> unsure
 <222> (1)..(508)
 <223> n = a or c or g or t

<400> 504
 ctttacattg tctaatagac ttgtttatta ttttaagctg gtaaaaagag acttatgatt 60
 catgttgaag aaagagttat ttgtgcttga tacattgaag aactgttca aaagcagttt 120
 gtccttataa aaggatgacc cctgtagtat ttcttaggca aggagggaca aattcaacca 180
 acgaaaagca catctcgccc cgagttcccc atgatttctc cacatatagc aaaaaaatac 240
 acatcagtaa tttatttgaa catgcacatc agtgagtagg cancagttct ncggcggcta 300
 ctcaagacaa caannnggag aatatcagca ttacctaaat aaaaaagaga ggtgaatcac 360
 accattttta ttgtctttaa aacacggata agaagagcaa ttaaaatata gtccctaaaca 420
 gtactagcta atgtagatta cntaagtata ccatatgatt ccactaatag tgctctgaca 480
 agcataaccn ccagttctag ttaaccag 508

<210> 505
 <211> 154
 <212> DNA
 <213> Homo sapiens

<220>

<223> Genbank Accession No. N91887

<220>

<221> unsure

<222> (1)..(154)

<223> n = a or c or g or t

<400> 505

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atatttatta ttttattgct acattggaag tgaaaataaa ctgtaagaag ctgccaaagg 60
atgcaacttc atgaagatta tgaaactatt gaggcaccca ttgtagaaag ttaaaattgg 120
cttatcctgc atgaggtgga agcnaaggcc tccc 154
```

<210> 506

<211> 169

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N91971

<400> 506

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gttttgaaca cagatcactt tattggcatg gctttgtttt aagaaaagga aaagtgacaa 60
agccaagaga cagactctgc taacagatgc ctgggggtgg ctggacattt ttgcctcatg 120
ctgtgcaaaag aggggggatcc tggcccacac atcctgctga ttccttggg 169
```

<210> 507

<211> 139

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N91973

<400> 507

```
tttttttttt tttttttttt atggggcagc ggggggtcttt attcgtcaga ttttccttct 60
tggcctactc cccaggtgtg gccagggata gtccatacag tgtgggtact gcaaggctcag 120
gatggccagc agaccctagt 139
```

<210> 508

<211> 395

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N92239

<220>

<221> unsure

<222> (1)..(395)

<223> n = a or c or g or t

<400> 508

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tcagaaaact aaagcagcac ctttatttta tacatacaaa cagtataaaa tgtttattag 60
gtaagagctg tgttttgttt acaatatatt atattgcttc aagccaatgc aaaaagttca 120
tacattatat tccctatttc attgtgttta gaatatatta tattgtttta atgccantac 180
cacagtgtaa tttttttttt ttttaactctg aatctctgga ataatggtaa ggtcaaaata 240
```


tattgtattg agagttttaa aattaagagc aattttttaa aatgtaacaa acatctaaat 300
 atctgacaat aaaatctgaa atgctgtaac ttcaacatta actgcaccat ccaaattctt 360
 gtgacttacg cattttgccc catttaacct ttctg 395

<210> 509
 <211> 510
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. N92502

<220>
 <221> unsure
 <222> (1)..(510)
 <223> n = a or c or g or t

<400> 509
 ttttttatac aaacaagttt cttttattgt ttccacacat tcataataac tatagaacag 60
 aaagattggt ttaatttgct gtctacttcc ggtgacctga tgaatacact ggtaacagtc 120
 cccagtttga gtaagatcag ttgaagccct tactgtataa gtccaaaatt taagaaaaat 180
 gaatctcacg atgagcttcc tcaggcttcg gccgtgcgtg gaccagtcag cttccgggtg 240
 tgactggagc agggcttgct gtcttcttca gggtcactct gaaagggttg tctgggcttg 300
 gtcttgccct ccagggttca cgcgctgcag gttttacatg gctgtgggtg atccaggctg 360
 ggattccttc tacttcacag cgggtgggagg gctcagaacg acagctgggg tctttccaca 420
 gtggacacaa agaggtagct tccagttctt gatcaaatng atcactgggg agaaaagggtg 480
 aactggggag aataantaac aggccattta 510

<210> 510
 <211> 270
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. N93798

<220>
 <221> unsure
 <222> (1)..(270)
 <223> n = a or c or g or t

<400> 510
 cacggctcct gttttattgc cttegggtgt ccggagcacc tgactgcccc ggggtctaat 60
 aatttaagggt gccgagaaca ggtcaggaca aggggtcgca aaanaggggc tgggggcagn 120
 tggttacaaa atataccccc accccacaac aaacaggcta gaggagacca gcctggctgt 180
 gtcgggangg ggcgggcaga gggcgcccga ccagccttca gagagacaga gccacggcca 240
 gcgccccaga gggagtggcg gagacaggac 270

<210> 511
 <211> 399
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. N94303

<220>
 <221> unsure
 <222> (1)..(399)
 <223> n = a or c or g or t

<400> 511
 ttttttagca agacaaggtg tttttattga ggtctcagga attgcaattt gggagacaga 60
 ttcagctaga agccacttgt gttctgaaga gagagggtag aggaggggtt tttaaaaaaa 120
 gctgaggggtg attagacaag ttgacaagtt gttttgaaag aggcaactgg cttagtacia 180
 aaatccatag tttattgggtt ggtgctgttg aggagttgta gtgctgggtg aataaaattt 240
 tccaggatgc agtgggtcatc gcaatttggc ccaattcaaa ggttcaaggt aagctcctgt 300
 attgtttttt tttttggagc ttttaatttt ttttcaagtt gcagggtcatg tagggagtcc 360
 nttttaagaa tggcttctct cctccaattt agagttcct 399

<210> 512
 <211> 508
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. N94424

<220>
 <221> unsure
 <222> (1)..(508)
 <223> n = a or c or g or t

<400> 512
 tttttttttt ttattattta gaaatgtaaa catttattta aaagtaggta gcaagttaaa 60
 aatgaatact tgcctgaaat cataaaacat aatcaagttc tttttaaaac agttaatttt 120
 tttcctataa tttactttca tcgaaagtat attatctttg tttaacatgc tagatagaag 180
 caatttagca acataaaata tattagctat agtatgttca aaagaatgag aaatataaat 240
 tcagagatga gaccatcatt ttttgcagtt aaaaaaaaaa atgttgattc tgggtgcaaca 300
 tacactgatt atccaggttt tacatttttag ggctgaaacc ctgaggaacc tgctgggtgac 360
 tgtttagcac tngagcagag ttcagtgttg catgcgcttc ccagagttaa aagcnaaagc 420
 agactggaga aacnaaaaac ccacatcctt ggcatttcng aggttttcac ctggtaatcn 480
 tagggtttcc ccaatttatt agaagttt 508

<210> 513
 <211> 462
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. N95495

<220>
 <221> unsure
 <222> (1)..(462)
 <223> n = a or c or g or t

<400> 513
 tttttgccaa acattagagt ttgttttatt gcatgacgtt tgcataagaa aaaaagttat 60
 tgaaaaactgt aaggcatcat gcaatcattg aataagctaa ttattaactg tacacttaag 120
 ataggtggac atataatcta aaatttaaaa actagttcca gaaaagtaca taaaaaattt 180
 aacatgatga gctttttaa atgggtttata gtttcatgtt gttaaaaagt gcttcaaagt 240

tactgctgga aagttgctct ttacaaatgg cgctgggggtg atgtcagatt ataaactgta 300
 aaaaccaagt acttttatgg aattagaaag ctaacattgt gatccccaac ttcttgaacc 360
 agttttcaat cccattcaa attaagttga ttaatatata taactaaaaa cactgggttta 420
 tcccccaaaa ggcttggatc cagtagnctg tggccaccaa tc 462

<210> 514
 <211> 197
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. N98485

<400> 514
 tttttttttt tttttgttat atacatttta ttgaaaaaaa attttacaac aaaatatttt 60
 ggcaaactgt aaaagtatac ataagtcaa atatatactc cttttaaaat acaagcaaag 120
 tgtgagtata cacggtcata aaaatatctt taaaatatgg tggtagaaaa caaccttgta 180
 aaaacgttgt attgtcc 197

<210> 515
 <211> 340
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. R00144

<220>
 <221> unsure
 <222> (1)..(340)
 <223> n = a or c or g or t

<400> 515
 tctaaaatat aattgtttat cccaatgtca ctccaccag gctgcagtga tggcnaaatc 60
 actgtaacct cgaacacctg gcttcaagca agcctccctc aagcttccca cactgttggg 120
 attgcaggca tgagccacta ttgtctgagc agtgggtctt cctgcaggct ggcttaccct 180
 ctgcatccca cccatctgac aggtgaggct gaccatgccc ctagggtcca agagtcaagg 240
 gtaatgaaca caccatcac ctntcaaaag tgacgggtct gtccatcatc atatgaggga 300
 ntttctcan ttcttggcat aatcagctca ggggacacaa 340

<210> 516
 <211> 417
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. R01257

<220>
 <221> unsure
 <222> (1)..(417)
 <223> n = a or c or g or t

<400> 516
 aactattctt gttttatatt ttattatact ggaacagctc gtgtcctctg tctcttgcct 60
 cgggtgctgg gtggcttgcg cccacnatct cccccctttt tattaactag aatcgccatc 120

```
gccatcattg cttgttggtg acttcggact tggtttcgga ctccttagag gcatctgcag 180
actaaaagga gacaacataa gcataccaat attaataatg ccagtaacaa caatgaccc 240
ctgacggggt tgagccattt gaagggatta aaatcagggt aattgttttag ttatgccttc 300
aaaaatgtgt gagccaggga actgtgggat aaatggggct tgtgaagcct ccaaagattt 360
gctctttaag gttgtggaaa tatcccaagg gttaagggtt tcatcccngg ggttttt 417
```

<210> 517

<211> 258

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R02003

<220>

<221> unsure

<222> (1)..(258)

<223> n = a or c or g or t

<400> 517

```
tgantntca tagggctcgg cgtgggaaca gagcgagga gtctgggggtg ctccaccggc 60
ggggaggggg cgcgcagtc ctcctggggg gatcgggggt gctaggcagg ggtggtggcg 120
caagaagggt ctcgggagcc ggggggtctg gaggtggagg agtctcagca tcttgtttcc 180
tgtgctcctt cccagcaggt gcaggccctt ctgcctgggg tcccctctgg aaggccctcg 240
gtttccccgg cgccaagg 258
```

<210> 518

<211> 294

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R08850

<220>

<221> unsure

<222> (1)..(294)

<223> n = a or c or g or t

<400> 518

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ttccnaaanc aggcagttaa tgtgctgaca tagtaacaag gtttgaagga ggaacatctc 60
atgcacgtgc gtggaaaccc aattgtcatg tgtatgaact acaaaaggat ggggaaaaga 120
acacatttcc tcacaacagg antacatgag attagaaaga aaaccggant gaggtagatg 180
catgantgca cagacaaggn tatgtgacag gaagctgggt gacattttgc atctgacata 240
gcagtacacc tagagagccc aaggaantcc accccaagt taccagaggc aaga 294
```

<210> 519

<211> 413

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R09379

<220>

<221> unsure

<222> (1)..(413)
 <223> n = a or c or g or t

<400> 519
 ttggnnttgag tttggccttt cctactgcag ccaggtgaga gcttaagatg tcagtcccca 60
 atatcttcac agagtgcctt tatgaccagt ttggagaatt acgatggtaa ggggaagagg 120
 cagatatgaa gaggaatggt taggggaatt gtcattcata actctgtgct atattacttg 180
 aggggctaag aaaaatgtat ggtcagtgaa acacagtagt gtacccttaa atgccttata 240
 aaagaccatc catccagtct gcgcttttga ctgtgtgcaa gtatcagtaa taatgctttt 300
 ggggggctca gatgaacagc gaacacccaa tcagccaggg gctctgggaa gggaaagctc 360
 ccaaaaatga ggaagtccct tccaacaccc atttttccca ttactgttct cac 413

<210> 520
 <211> 319
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. R10896

<400> 520
 ttaagccatc caagtaaaaa aaaaaatttt aatttaacaa tgaaaaagga acttcaaagg 60
 gtttatgcc aaaaacaaac cagtcctctg cagcctaact catttgtttt tgggctgcga 120
 ccattgtaga gggcgatcag gcagtagatg gtccctccca cagtcagcgc catggtgggtc 180
 cggtaaagca tttggtcagg caggcctcgt ttcaggtaga cgggcacacc atcagctttc 240
 tggaaaaact tttgtagctc tggaactttg tttttccag cataatcata ccctgtggga 300
 atcggagggtc agtttagtt 319

<210> 521
 <211> 318
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. R11526

<220>
 <221> unsure
 <222> (1)..(318)
 <223> n = a or c or g or t

<400> 521
 tttantagcg cgaccatttc tttattaaat tatacaaaan ggnnggggag gggggcagct 60
 gtggggctcg gcaanaccn ggccccaccc cggcctggcg ctgtctgaga agaggggatc 120
 tgaggagat ccagggatca ggcaggatag ggatggggca ggacatgagg ctgggggatg 180
 cagaggttag gtgggagagg ctaccngaga aggaatgagg ctggtagggg agggagaaag 240
 agagcaaaga gagagaggag caattggggg ccagctggag agctcagatg gagcagggtca 300
 ggaggtggaa caatggca 318

<210> 522
 <211> 362
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. R15108

<220>
 <221> unsure
 <222> (1)..(362)
 <223> n = a or c or g or t

<400> 522
 tttttttttt tttttttttt ttttaacggta gaaccaangt ttattaatga cagcctttat 60
 tacaatcact ctcaagtgtg aaaaataaaag ggtgattaat taatatttaa aactcactcg 120
 gacttgctgt ttggcctttc agtggatgtg ccaaaggga gggatcttgc ctgattctga 180
 atcaattggc cagatggagt tcaactggaga atgaggcaat caacaaaaaa gacaaatgat 240
 gccaaactgga gagagctcgt gtcttctcca tgttggaagg acattacaaa atggcaactn 300
 tgggtggggg cagagatgaa gtaagacaac cttacagtcg gagtaagatg tgaataccct 360
 tt 362

<210> 523
 <211> 416
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. R16983

<220>
 <221> unsure
 <222> (1)..(416)
 <223> n = a or c or g or t

<400> 523
 ttgcagagac aagtgaacat ttatttttgt acctttcttc ctatgtgtat ttcaagtctt 60
 tttcaaaaca aggcctgagg aatctccaga ttcaattatg tccctgggct ttgtcgacag 120
 ctgcaggagt cttagggagc cttgtacaaa tgctagagtt actcatttac caacattaaa 180
 cccgagaata gaagatgcaa caaagcaggt ttccttcctc catgggaaag tgctgatttc 240
 agacaagggc agcagccaat gtaggaaaat gctgggaatt tttccttggg aactgggact 300
 gtggatgaga ggggtgctttg cccatggaac cataaggcta ctgtcttttc ttttggnccc 360
 ttccctttcc cagggttttg gaaggnataa aggcgggga ataaatcttt ctctgg 416

<210> 524
 <211> 234
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. R25410

<400> 524
 gtggacaaat cttttatttt ctgaagacaa gtgatttgaa gtccagactg aatggcattt 60
 aagaattagg aatcctgcgt gccatcctgg agtgaattaa actaaattag agtcagaat 120
 atgcagcttc ttttaagaaaa aattctcctc tgaaatatat tctttccac tgcattaagt 180
 agtgttcctc atgagacatc tggaaaacat tgattgttaa aatgtgggtc tggg 234

<210> 525
 <211> 419
 <212> DNA
 <213> Homo sapiens

<220>

<223> Genbank Accession No. R28370

<220>

<221> unsure

<222> (1)..(419)

<223> n = a or c or g or t

<400> 525

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anatggatat tagttcttta ttgagaatca gaaatatttt aaatttacta aattcagagg 60
tagtcatggc ctctcccaa taaactttac agtcttagac aatttgtgca ttttaataaa 120
ttcttagtta tagtattaaa gaaagtggct gggcgcgggg gctcacgcct ggtaatccca 180
ggcacttttg gaggtccagg gcagaggcag ggcagatcat gaggtcagga gatcgagacc 240
atcctgggct aacacggtga aaccccgctct ctactacaaa cacaaaaaaa ttaggccggg 300
cgtgggagac agggcaccgg taggtcccgg gtacttcggg gagggctgag gacagggagg 360
aattgctttg aacccgggga ggccaagggt ncagttnagg cccgagattc acgggnact 419
```

<210> 526

<211> 431

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R31679

<220>

<221> unsure

<222> (1)..(431)

<223> n = a or c or g or t

<400> 526

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acttccaaga tnaacatttt tctgtttatt cttagaatgt gaattttttt tttcaactca 60
gggccaagta caaacttttg atttttgaaa ttttttcaac tcagggccaa gtacaatctt 120
ttgatttaaa aatttttttt catgaacaaa ccatcagtag ttattaagga gccaagaaa 180
taggagatgt gaaagcagga tttctttgtg tttcctttga atgttggtat tttgagtatt 240
atcattatca gggtaggagg gaaggaaagg gtagggctgg ggaaggtagg gtccttatgg 300
atatcttgac tatgggatcc ccaggattta catttcacct ggtcacagn gcacacataa 360
tttaggataa acatgttcaa ggaatggaca taaacagagg ggtaaacaca ggggggcttt 420
acatttgggg g 431
```

<210> 527

<211> 247

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R33627

<220>

<221> unsure

<222> (1)..(247)

<223> n = a or c or g or t

<400> 527

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aaaaaaaaact tttgaatcat ttattctttg gttgtctaca nagacactta agtactgtat 60
cgctgtcatg cagcggcctg tggaggccct gggggtggct gggcctgtgt cctgagccct 120
cagccagatc caggggggtgc ggtgtctggt catgtccact ccaagagcag tagcaccatg 180
```

tagaaggctg tgagcagggg cccctcggct gaggggcaga tgtaggctca ctgctntgca 240
gccccaa 247

<210> 528
<211> 282
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. R36881

<220>
<221> unsure
<222> (1)..(282)
<223> n = a or c or g or t

<400> 528
tttttttttt ngtgattata cgttttatta gactcnggga ggggtaatgg caaggncttc 60
atcangtggt ccttcaaatt aaaaaaaaaa aatacaaaag ctacgtagaa aacgtcagat 120
cagacgacta aactttcccg actcagggcc aagttcttct tgagcctgcg ctctcgggac 180
gcctgcgagt cggctctccga gtacgggggc ggcgcgggcg ggtagtaggc ctcttctctc 240
tcctccttgt ggggtctctc cctctctctc gaccccttct tc 282

<210> 529
<211> 428
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. R36969

<220>
<221> unsure
<222> (1)..(428)
<223> n = a or c or g or t

<400> 529
tttttttttt ttcaagttgc tttttccctt tttattaaaa atagactcaa gcactttant 60
gtatcatata aaagtttcat tcgctggtgg cagccacggg aaagactggc cccgtagcac 120
tgattttcca cctccctctc agggacttgg gtcccaggag cagtgcactgg gcctcagaga 180
aagcccataa agactgctta ctctggaagc agccgactag gggctnnttc gcgagcagct 240
ntccccaccc cacccaatgg caaaagttag atactcgaaa gtgcctcttc agtgccaaga 300
taaactaaca agtgggagtg aaatgggaaa accctttgat tattttacta ttttccag 360
ggcctggggg nttnnagtt tttccctgca attcaaagtc cttttttccc ttacaatagg 420
gggtagg 428

<210> 530
<211> 507
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. R37588

<220>
<221> unsure

<222> (1)..(507)
<223> n = a or c or g or t

<400> 530
tttttttttta gaattcaggt agtggttttg tttattatct tagtggtgtc acaagtgata 60
gaaacccccca ngaagtngga angaaagagc tccttgcttg gacctacatt ttgccattcc 120
cctcttgccc tgggntcaga accttgaagc ctttgcttgg cccttgcatg ttaggatatg 180
gccaagaatc agaaactgat gcgtttttcc agcactacct gtgtgctgca ctcatggaag 240
gtgggaagct atacacaggt atccaacttg gttataagac accagttccc acagggctgg 300
atctctcagc tgtctgggta aaccagtggc acttcactgc ccaggggtg gctggctccc 360
tttctgaatt tctgtctcaa tgtgatataa ttgccacat tcaggatggc taccacatt 420
ttggtatgaa caccatgact tctttaaggc aacgggggct ttcctnctca gaacagtgcc 480
cctgnaattt ttcctcctgt gggcttt 507

<210> 531
<211> 239
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. R37774

<220>
<221> unsure
<222> (1)..(239)
<223> n = a or c or g or t

<400> 531
tttttttttta tgtattttcca aaatcacaaa atgcacaaca ttcattngttt ttaatattgc 60
aacatggaat attatataca gattaaaacc acgacagcaa aaacactcac acggtaccag 120
tttcatatca aaacaaaaca cacaagtgtc ttttcaatat taaaacgact gtgataaaaa 180
catattaata ttttgaacca tgtttacaat agngcaaaat tcatatttta ctaaataac 239

<210> 532
<211> 237
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. R38678

<220>
<221> unsure
<222> (1)..(237)
<223> n = a or c or g or t

<400> 532
ttttttttttt tttttttttt ttttttccng ttggaaattt tttatttacc actgcaaggt 60
ttttgtctcca aagtgtcaca ccagacatat gactacaatg tctcatgcat ctttttgtgc 120
tttagttcat gactgcaaaa cacacactta gcatttgaca acaggaaaca cagagggcag 180
aaacaaatca caaggactag ttggtttagg ttacagccac attttccccg gggctcc 237

<210> 533
<211> 401
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. R38709

<220>
<221> unsure
<222> (1)..(401)
<223> n = a or c or g or t

<400> 533
tttttttttt tttttttgat ttctcaacat caaagttaa ttattacaaa atagttcaag 60
caacatgata tgantttcaa aaactgtatg ttgcttngct tcctngtttt gctccaacac 120
taatcatgct gaggtttttg aagcacagct atgactaggg caggcactct tgattttcagt 180
cacaaaaacc cttcttggat gaacaatact tgttcttttc agaagaaaag caattttacc 240
ttttctatatt ctattatgaa aaacagagct aaacaatttt tgtattttta gtagagacag 300
ggncccacca cgctggccac gntgggtctc ganctccttt caagntgttc tgcctgcccc 360
ggcctnccaa agtgccgggg nctacaggat ntgaggncac c 401

<210> 534
<211> 340
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. R39467

<220>
<221> unsure
<222> (1)..(340)
<223> n = a or c or g or t

<400> 534
gagccacctc ggggtgactg agcggaaggc caggcagggc ttccctctctc ttccctctcc 60
ccttcctcgg gaggtcccc agacctggc atgggatggg ctgggatctt ctctgtgaat 120
ccacccttgg ctacccccac cctgggctac cccaacggca tccaaggcc aggtgggccc 180
ttagctgagg gaaggtacga gctccctgct ggagcctggg gacctatggg cacaggccag 240
ggcagcccgg agctngngtg ggggcnttag tngggggttg ntgcttgacc ccagcacaa 300
taaaaatgaa acgttgaaaa aaaaaaaaaa aaaaaattt 340

<210> 535
<211> 197
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. R40431

<400> 535
tttttttttt tttttttgtc ttgtgtgtat ttttatttca gggaaagaaa tgagggatat 60
gataagaaaa agtctattaa aattgtaagg cttaactccag acaccattgc ttaaatact 120
ccctcgcac acagagagaa aaccctggg caagtgcaca aaaacactac tcataaaagc 180
acgggtgacc agtgaac 197

<210> 536
<211> 464
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. R42241

<220>
<221> unsure
<222> (1)..(464)
<223> n = a or c or g or t

<400> 536
tttttttttt ttttgaaaac agaattattht attgcataca gcatgggact gtgatcaacc 60
tggnecatcaa atgccgcgat ggctgacagg gccagggcgg cgggagtgct gggaagccca 120
gtacacgtgc tccctctctg tgggactccg ggatccacgg ggcggatggg tctntgagtt 180
gcgagttggt cctgtttgtc ttccagcccc cagtcctccc cggccactct gattagccag 240
cctagggtag ggccctggcat aaagtacacac agggcaaaccc cagaagaagg aaaaagggca 300
cctgcatgaa caaagagttg ggttgacagag gntgcaccgg ggtaagactt ccttcatgca 360
gttnggagtc cncatcatgtn gggacatcag gagatgncac cncacagaat tggtnngctag 420
gttttntctgg gttttggccc agagaggctn attcccattn tttt 464

<210> 537
<211> 318
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. R42424

<400> 537
tttttttttt actttctgtg agcttatgag gccattctgc acattatcaa aatgaaatca 60
ttatgcagta accttatata tataaatcca attttttctt ttgtagaaga aaacccaaaat 120
aatttttacaa actacattta acttagtaat ataaagaact gactagtgtg aaattttgaa 180
aatctaccac tttatttttga agggaaagggt acacatcctt caaaaccccg gctaacaatt 240
cctagggttca gttttctatt atacaaatca aaagggttaa ttccttgtgg gcactaacca 300
aaacttttaa aattaacg 318

<210> 538
<211> 243
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. R42607

<220>
<221> unsure
<222> (1)..(243)
<223> n = a or c or g or t

<400> 538
tttttttttt aggctttgca aaatacattht aatgatctct ttcaaacaag tggtactcgn 60
gttttctttg ctttctggag ctaaatgggg tatcgatgag gcagcagtca cgggagaccc 120
aacatgctct tggcagatac tggattatcc aactatcaaa aatggagctg tagaagaggc 180
atgttnaact ggttaaaaca gaaaggggtat tttagtacgg tcaagttgat ctaagtacag 240
agg 243

<210> 539
<211> 270

<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. R44397

<220>
<221> unsure
<222> (1)..(270)
<223> n = a or c or g or t

<400> 539
tttttttttg tattgtatac acagtggaaa gctgggtttta tttgggagac aatgggagct 60
tttacattgt tgagcaaagg agtgacgaga tcagtcttgc tttttagaaa gattagtttg 120
gcagttactt atttgtaacc aganttagac agcaaatcgg gatgcagggg gagaagtcag 180
gtgactatta gtctgcgagt aattctggga caagagcagt ggtaatggaa ttnaaaggga 240
ttaaagtntt taccagggtt tggcataaat 270

<210> 540
<211> 367
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. R44535

<220>
<221> unsure
<222> (1)..(367)
<223> n = a or c or g or t

<400> 540
tttnttccaa aaatcaccac ctttaatact ccccggtcct gcacacaccc acagtctcac 60
tgggctccac cctcacttac tgcccgccgt ggatggcctt ggaggctgcc tgcccgcgcc 120
aggatgtttg gcacaaagag cagccccgaa gccnctnaa tgntctcgat gggcaccagg 180
taagcgntcc agtgggatgg cctnatccac aggtgcgttg ggcacacgt aggtgcggan 240
tncaatttgc ccanctgntn cctccagggt cagcaccttg aagaagtttg tgggcactgc 300
cangtgggtt ttgccgatga cctgggtant ttacgtagga tttcccatca gnctctgtcc 360
atgggac 367

<210> 541
<211> 398
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. R44714

<220>
<221> unsure
<222> (1)..(398)
<223> n = a or c or g or t

<400> 541
tttttttttt tttttttttt tttttgattt tnagcaggna cagttttgat tttattgcaa 60
ggcacacaat cgtatataca atgcataatt atcatctttt aaagtacaag ataaaaatca 120

```
tatacattat agtaaaganc atatgagtat attcttggtt cagagangaa anttgcctta 180
aggaagctgg gttataccgt ttttgatgt gattttcgta tttatactga atcatccgaa 240
cagctcttgg ttaggaaaat aaatctcatt gatagggnc cacaaccttt cacaggcttt 300
cactttacaa tgttccantt taaaggtcag ccagtgtggc tccctggatt ttggcatggg 360
gtcatcgttt tttcatccn ggggtcttgg gttggaaa 398
```

```
<210> 542
<211> 364
<212> DNA
<213> Homo sapiens
```

```
<220>
<223> Genbank Accession No. R45654
```

```
<220>
<221> unsure
<222> (1)..(364)
<223> n = a or c or g or t
```

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<400> 542
tttttttttg ccatgtttca tttcctttaa taatgaaaat ccataagggt ttaaaatact 60
cttagacaca cctagcttag caaatatcat ggacctctac atttatgtga attcacacat 120
gagctagcca gcacctcagt tctggctggc catcgacacc tgcttctccc tttggccctg 180
gggccaggga gccctggagg ccaggttccc ctctgcctcc tccaatggag ttgccagcat 240
cgcttttatt tcccttctgc ccaggaggc caggaagccc aggggagcct tcagccccct 300
tctcaccnt ntgccccntn tttncagca aacctggggg cccngnttc cttttgttc 360
ctgg 364
```

```
<210> 543
<211> 229
<212> DNA
<213> Homo sapiens
```

```
<220>
<223> Genbank Accession No. R45698
```

```
<400> 543
tttttttttt ttttttcatt ataaaagtca gtttattttc cttttctgtg tttcgtattt 60
tccctttttg tcagtaaatg agcaatacac tgactggaaa tctgcatgat taaataacat 120
taacaagttc ataaacacac cccatatcag agtataaagc aagagggtga aaaatatccc 180
ctaaccgaat gccaaattag ggtatccctc aaaattgcac attctccct 229
```

```
<210> 544
<211> 254
<212> DNA
<213> Homo sapiens
```

```
<220>
<223> Genbank Accession No. R46074
```

```
<220>
<221> unsure
<222> (1)..(254)
<223> n = a or c or g or t
```

```
<400> 544
```

```

tttttttttt tttttttttt tttttttttt ttattgccaa ganccaaaga aaaaatttta 60
tttacaatag agaattttat ttgaaacatg catttcttgt ttttttaaaa acaaatcagc 120
aaatgcagat caagttttaca ctcccttaagg caagagtccc tatgcacgct gtacatgttc 180
atattaaatc caaaagctgc tcaccocgggg aacttgtgta caaaggggcaa ggccaaggtc 240
agcaatgtgt cttt 254

```

<210> 545

<211> 338

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R49138

<220>

<221> unsure

<222> (1) .. (338)

<223> n = a or c or g or t

<400> 545

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tttntttttt tttttttttt ggagttgaga tatttattaa cagatggggg tgctgggggt 60
gggctcctgc ccagaggga ttgacagggt gatgccgggt ggggagggct gcagggtgg 120
ctcctggcct ctntcctggc ttcattgggtc tgacanctct gggccanct cagggtctgg 180
agcgtactnt agcaccancc tttcaaagtc gttctccttg gcctgggtact ccttgatgaa 240
gggatgggac ctgtgggcat ccttcagctg ggacagggtat cggtttgtca cctcaggggg 300
nttgccaggn tgctnggaca ggacgatgag gttnacca 338

```

<210> 546

<211> 284

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R49327

<400> 546

```

tttttttttt tttggaaaaa gaaatttttt tttaattaga aaccaagttt acatacggtt 60
aaatggttac taaaagctca gttgtaacca ctccaaacac cactagcaga acctcaagg 120
agccaagagc tcttcccttt tcccctgtta atttccagta taatgtagca gcacaattat 180
ttcatgtcac atttaagaag aacaagaacc aatttatata aaggtagaat tgtatatcct 240
taaacattcc acataaacac actgtcaaaa ctactggat atgc 284

```

<210> 547

<211> 414

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R51831

<220>

<221> unsure

<222> (1) .. (414)

<223> n = a or c or g or t

<400> 547

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tttttttttt ccatttttaa ttatttttatt gtatattaaa aaaccaaata aagcaataac 60
tttaaagacc tcacacacac acagtataaa cacctgggta aggttttntt cgtgtccatg 120
ttgacaccgg aactaccgtt aaagtgcagg ttttgttttg tggtcccttg tgcagtttca 180
ctcacatgta aacaagtcac ttggctatga tttgaccac gccccccgn ttagtttcgg 240
gagggcagag gctctaccgg ctgtcacagc aaccggant cacagncaag ntaatgccc 300
gtgggtcctg accctgcaag cggggcatga cggtttcttg angcctagca gaggntgggt 360
aactttcaca tncctcccc acccgtggt tcactnttag gtttttgaga agtt 414

```

<210> 548

<211> 538

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R56183

<220>

<221> unsure

<222> (1) .. (538)

<223> n = a or c or g or t

<400> 548

```

gtaagatggc ggggtacgac ttaactactc gcatcacgca ccttttggat cggcatctag 60
tctttccgct ccttgagttt ctctctgtaa aggagatata taaagaaaag gaattattac 120
aaggtaaatt ggaccttctt agtgatgcc aatggtaga ctttgctatg gatgcataca 180
aaaaccttta ttctgatgat attcctcatg ctttgaaaaa gaatagaacc acagttgttg 240
cacaactgaa acagcttcag gcagaaacag aactaattgt gaaaatgttt gaagatccag 300
aaacgacaag gcaaatgagg tcaaccagg atggtaggat gctctttgac tacctgggag 360
gacaagcatg gttttaggca ggagtattta gatacattct acacatatgc aaaattccca 420
gtattgaatg tggggaatta cttcaggagc agccagaatn tctttatttt ttccagagtg 480
ttggttcccc caaccgacag anatgctgta agttcactct gggggaagct ggcctctg 538

```

<210> 549

<211> 364

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R56602

<400> 549

```

tttttttttg ctgttatgat tagatatatta ttgagcacca ggagagagtc agaacattag 60
acttatagtg gaggagcaga actgaaccct ggctgtgaa ataacaattt caattaaaag 120
ctgtctggcc ctgaagaaaag agaaatgatc ctggatatag ctggctcctt gagctggcag 180
agctgagcct ccctcggttc ttctggtggg caagatgcc aagttgaata gtgtctgtag 240
ggcatgatga ccaagtccta gtgctatggg catcttccct ctggtattta ggagaggagt 300
accagaagcc cccggcagag gatactagga agggcccaga gccaaatcca gcagctgggc 360
ttac 364

```

<210> 550

<211> 181

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R58878

<220>
 <221> unsure
 <222> (1)..(181)
 <223> n = a or c or g or t

<400> 550
 caaacagggtc atttggtttt attttatgga tacaccaaaa ttttataatg agttgtgttt 60
 ctattttggc tttatcttcc agaaacttag aaccaaatat gcagtcctct tctagcaact 120
 gtatgagagc aggtggtaag cttctattnn attgcccttg ttttcccttg actccaaatc 180
 t 181

<210> 551
 <211> 485
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. R59593

<220>
 <221> unsure
 <222> (1)..(485)
 <223> n = a or c or g or t

<400> 551
 tttttttttt ttttttgcca ttgaaaagaa agtttaaatgt tacaattctc cccagaaatg 60
 agggcatggt catgccacag gggggccacat gaaactctgt cacaagcaga gaccacaaag 120
 cagagagagg acctgagact atgcctttat tgctaagtca gtgggatgga tctaggtggg 180
 gatgtcccct gtttgggcat aaagcaaaaa cagacattct atggttgtca ctgggaagtc 240
 tgtgatatga gttttgtgca cccacgagag agggcttaaa aggatgatgt aaacaacttt 300
 agcctttagt ttgtccctgt acttaataata tgtcaaataag ggcaaacaca aattctaagg 360
 taaacacaga ttagttccgg gagcagcttg gcttatggca cacnttcagg gaaacacctt 420
 ggcttaaatc ttacagggga ccacctgttt ttttcaaact ttgggggttat tccgtttctg 480
 acttt 485

<210> 552
 <211> 372
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. R60056

<220>
 <221> unsure
 <222> (1)..(363)
 <223> n = a or c or g or t

<400> 552
 tttttttttt ttttataaaa ggaaacagac caacatcata gtgttttatt gacaaaacca 60
 taggaaaagg cagtttttagg atgtaaagta aaaatgggtc tctgaaatat ctacacaaac 120
 gtgaattctg aaaagttttc attaaaatcg tatttcatac aattataaac taatgaggaa 180
 caaaacaatt ttcaacttct ccataaccca gactgagctt gatttatgct tgccatacag 240
 aagcagganc tcttcccaga gaggtgggtg gctcccacac agctgacagc caggtttggc 300
 tgtttaccta agccccatct tcccagtcgg tgttcaaaac aagggcacia ggtctgggct 360
 tttcaaaaaa aa 372

<210> 553
<211> 387
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. R60777

<220>
<221> unsure
<222> (1)..(387)
<223> n = a or c or g or t

<400> 553
tttttttttt tttttttatt taaatggaaa cactaatctt ttttttcac atgctgaagt 60
gtgtgggttac aattttccaat aaaacactat atataataag caaaataagt tagtacattg 120
taaaacttatg cacagtttca tcaattaaca gttaaaganc aaacaagcca tttaagactt 180
tggagctaca tttagtaaaa nattgcaaac actcaaactt tatcaacccc aagtaagaca 240
gtaaagagct attcaagact tcttcaaacc aattacacaa ntacatgttt atttttgggt 300
acagtcccct ggctatgcac aaggaccatt gggaatgctg ggancaattt acacatttta 360
aaaacggggca aaaaggcaaa gcaaggg 387

<210> 554
<211> 350
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. R69417

<220>
<221> unsure
<222> (1)..(350)
<223> n = a or c or g or t

<400> 554
ttttgtgggg ggggcaacta aacaaacaca aagtattctg tgtcaggtat tgggctggac 60
agggcagttg tgtgttgggg tgggtttttt ctctattttt ttgtttgttt cttgtttttt 120
aataatgttt acaatctgcc tcaatcactc tgtcttttat aaagattcca cctccagtcc 180
tctctcctcc cccctactca ggcccttgag gctaattagg agatgcttga agaactcaac 240
aaaatcccaa tccaagtcaa actttgcaca tatttatatt tatattcaga aaagaaacat 300
ttcagtaatt tataaataaa ggggcactat tttttaatga aaanaatttg 350

<210> 555
<211> 284
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. R71395

<220>
<221> unsure
<222> (1)..(284)
<223> n = a or c or g or t

<400> 555
 tggaaaaaan nacaacttta ttttcagtca tttctatttc cttgggttatg aacaaaggta 60
 gcaaagtgca gttgtatcag cagtgccaat agaaattaca gagtttttca tatcccttta 120
 cagtttgcca caggatatctt aaaatattgt ttacactcat ctctcttcag tttaccattg 180
 tttaataggc ctaccctcga tctttttatt caatatgtta ataaagaaac ctatacacat 240
 agtatcacgt tatacatTTTT aaaantnttt tgacaactgt atat 284

<210> 556
 <211> 480
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. R71792

<220>
 <221> unsure
 <222> (1)..(480)
 <223> n = a or c or g or t

<400> 556
 atttattgca aactccctaa tatcacatgc tagtgcgctt gnaatttcac tcaggaatgt 60
 tccgggatgg gggccagaag gtagagagca ccatgaaagt acagcctgcg aggccggatt 120
 gctaaggggc agacttcatg ccaatggagg gacaganttc aggaccagtc tggatgggct 180
 aagctgcctt gggcngnaag gagctggatc aggccaggga gcttgagggt ctcctttggc 240
 caaccacccc caggtttcca gctcctctc ctcactcagg gtctctgcgc gtgagggagg 300
 tttggggggag gttcgcggct ntacagctgc cagggntttt ggggcactac canttaagcn 360
 tgaggccccc agtcagtcct tcactngggg aaagtttcca agganttggt gctttcactn 420
 gcattttttt cagacangtt ccggntaagg ggttnaagct ttnccttngg ggggttnccc 480

<210> 557
 <211> 392
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. R84421

<220>
 <221> unsure
 <222> (1)..(392)
 <223> n = a or c or g or t

<400> 557
 acaaagagaa aattttattt tcttattctt gaaatgactg tacgattttt caatgttaaa 60
 gttcactttc aagtatgac aataacaaga catcaaagt aaaaattatg ctgtattatc 120
 attttctcca ttgcttctta aaccactgaa agtaatttca caattcacca catttaggca 180
 tcttcttttt cactttcttc attttttact tctttaggca acaatggatc aatcttcagt 240
 aataaacctt cacttggtga actacgaagg aaagcacgta ccacaanggg acccaaattc 300
 aggcgggtct gtgcctacaa acttcattaa taactgcttg cggattgggc agctatctgg 360
 gtcacttgac atatccaatg ttggctattt tg 392

<210> 558
 <211> 412
 <212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R85291

<220>

<221> unsure

<222> (1)..(412)

<223> n = a or c or g or t

<400> 558

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ttgntatttta cangtatttta aatgtgaata ttcactacct atttggtgca ngcctgcant 60
ttttatactg ggcttgccaa aaacccgaac agctttctac ttgacaatg tatcagaatt 120
taaatacagca atatgttaaat aagccaagca aagggttatat atgcaaataa aactggtgtc 180
tataacctcc tggtacactg gggcacagca aaagtcattg ngtagtcgca tgtgaacctg 240
tccctttcat aggctgctca ttgccgggga acatcagggg atagccattt gggaaggggt 300
catcagccct ccancatcc gttttctgtc ttgtcttttc cctatgaggc agggggnaat 360
tccncggtgg ggccccaatc cccagtgcag gnggctcagc cnttggcctt tg 412
```

<210> 559

<211> 380

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R88209

<220>

<221> unsure

<222> (1)..(380)

<223> n = a or c or g or t

<400> 559

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acatcagtca gaaaattcca gaaaatggaa agtactccat catacagcaa agtaaataca 60
tggttggttg aagagcagag agaaaaactt tataaaggct ccaagtaaat acaaaggatga 120
tagattagat aaattcatta tggngactct gatgatgggt tcacgggatt ataataaaat 180
tcaagactta tctacagct caaatatgtg tactttattg gatgtcattt atatctttat 240
tttattttta agatgggggtc tctactctatc acccgggctg gactgcagcg ttgcaatcct 300
aggctcactg caacctccgn ctcccgggnt caagcaatcc tcccacatca ctaaggncca 360
gggtacatgc cncctnccg 380
```

<210> 560

<211> 379

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R89840

<220>

<221> unsure

<222> (1)..(379)

<223> n = a or c or g or t

<400> 560

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ttaaattttta ttatagtaac aaagtgacta tttttaataa taaaagcaga gtgcctgtag 60
```

```

gaagtggatg gccctatctc aggccaaagtc tccttagtgt ttcagacctt ggctgaccag 120
aatagtcctc tagaatgtaa catttatcca ccaggngtca ttatttacca atctgacaag 180
ccactgggct gtctccgngc attcaatggg tggaaatcaag gctacagacc agantaggag 240
atgaatgaaa ntagatttag aaaagggcgt tgtggctgga atgcagcttg cagtgtggga 300
gggcagggnt gggaggggtaa agaggggtct ttgaaagncc agtntcactt tcctgatcca 360
agtttcttaa gctgatact 379

```

```

<210> 561
<211> 378
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. R91484

```

```

<220>
<221> unsure
<222> (1)..(378)
<223> n = a or c or g or t

```

```

<400> 561
tcaaatgtca gatttcttta ttaaaatgtg cacattatag tttacttaaa tacaaaatgt 60
tcactttcct tgcaggtaag aaatttcact gacatttcca tgtcaattag cttcttttta 120
ataaaaaatcc ttccactgaa aataaatang catttaantt actgaactat tatattcatt 180
agtctcaata cctcttaaaa tacttaaaac ttgngaaaat agactctaaa catngcctaa 240
nggngggcat ccagctctga ggcaggccac acaagggtgtg tctgagggtat gggccatatg 300
actccggggg ggccacctcc acggacgggc ccagccccac cgacggntct gctggaaaat 360
cccggcccct caggcggg 378

```

```

<210> 562
<211> 223
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. R93908

```

```

<220>
<221> unsure
<222> (1)..(223)
<223> n = a or c or g or t

```

```

<400> 562
catatatnna atantaaaaa tcctgggagg cattgcactg taatagtaag tctgcccac 60
caggntcatg catgtctttt ctttcattca agtcttattt tatatctttc agtaaatttt 120
catatagatc ttgtgaatcg aattattttt acatttcaaa ttcaactaac aattattaat 180
aganaatgaa aacattgatt tttttcaata tttattttgt gtc 223

```

```

<210> 563
<211> 334
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. R96924

```

<220>
 <221> unsure
 <222> (1)..(334)
 <223> n = a or c or g or t

<400> 563
 agtaaaactttt attnggggaga tgggggtgaat ccatcactgg ttactggaac cctgagtctg 60
 catttttctcc tcaggaaggc ggtctgaaat ggagtgggct gtgttttgga agggttgtag 120
 tggtttgga tctctcacct gcttggctcc cgagctgggc ctcaggctgn tctccccaga 180
 gtaaagtcgc gggatcattg aggaagcgtt ggctgcgctg ggcattgtag ggcaggctctg 240
 tacgggtccag cgctgtcccc tgcagcgtct ctgggcgctg ggggtgcagg nagggccnng 300
 acgaggaggg aagagcagcc tcgacagaga gtcc 334

<210> 564
 <211> 510
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. R98442

<220>
 <221> unsure
 <222> (1)..(510)
 <223> n = a or c or g or t

<400> 564
 gtactcatta atccccctct caattttttaa cagaattata aaagcaaagt caaaagggtcc 60
 ttcaggatga ctgggaggct tcctaggcta acttttgcac ttgaaaatgg aaaaaataaa 120
 ttacttgata tttgtgataa gactaagatt tcttaaaagt ctgcacatca atatattacc 180
 tgggcttagg aggggtgaggg cacagtatcc atctgcaccc tctcctcgta ttttttaaaa 240
 acaggcaaaa tatgtaagaa aaggtctggtg caggttgga gacagagcgt gcctgtctat 300
 gccagtgtctg ctgtgccctg cagcctgggn aggatgggag tcggatgctg gggcctcatg 360
 nccacttagg gcccaataaca tactcaagac tctacagccc tttcaccagc aaagtatgnc 420
 ctgaggggaa ccaactgggtg ttgggagttg aaggcacaca aagcaggggc taaagggcaa 480
 ttggggtttc acggtgcagg cgccttgagg 510

<210> 565
 <211> 386
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. R99092

<220>
 <221> unsure
 <222> (1)..(386)
 <223> n = a or c or g or t

<400> 565
 tgtagagacg ttttgccttg ttgccaggc tggtttcgac ctgctgtgct caagggatct 60
 gccaccttg gctcccaaa gtccataggat tacaggcctg agctactgag cccaacccat 120
 ttatttattn ctgttttagt tgcatttgct ttaggagct tagccatgaa ttctttgcct 180
 aggccaatgt ccagaggagt ttctcctagg ttatattcta gaatttttat ggtttcagg 240
 cttaggttta agtcttttat ccatcttgag tttatttttg tgtaaagtga gagacagga 300

ttcagttttca ttctttctaca tgtggctatc cagttttccc agcaccattt attaaatagg 360
 ggtgtccttg cctcaattta tggttt 386

<210> 566

<211> 691

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. S45630

<400> 566

gacccctcac actcacctag ccaccatgga catcgccatc caccacccct ggatccgccg 60
 ccccttcttt cctttccact ccccagccg cctctttgac cagttcttcg gagagcacct 120
 gttggagtct gatcttttcc cgacgtctac ttccctgagt cccttctacc ttcggccacc 180
 ctccctcctg cgggcaccca gctggtttga cactggactc tcagagatgc gcctggagaa 240
 ggacaggttc tctgtcaacc tggatgtgaa gcacttctcc ccagaggaaac tcaaagttaa 300
 ggtgttggga gatgtgattg aggtgcatgg aaaacatgaa gagcgccagg atgaacatgg 360
 tttcatctcc agggagttcc acaggaaata ccgatccca gctgatgtag accctctcac 420
 cattaactca tccctgtcat ctgatggggc cctcactgtg aatggaccaaa ggaaacaggt 480
 ctctggccct gagcgacca ttcccatcac ccgtgaagag aagcctgctg tcaccgcagc 540
 ccccaagaaa tagatgccct ttcttgaatt gcatttttta aaacaagaaa gtttccccac 600
 cagtgaatga aagtcttgtg actagtgtg aagcttatta atgctaaggg caggcccaaa 660
 ttatcaagct aataaaatat cattcagcaa c 691

<210> 567

<211> 1398

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. S59049

<400> 567

tagatggcaa cctccctatc tgcccgcagg tcatagaggc gacacgtagc gtcactctgac 60
 cctgaagcaa aggcactctc actccaaagt tagacaaaat gccaggaatg ttcttctctg 120
 ctaaccccaa ggaattgaaa ggaaccactc attcacttct agacgacaaa atgcaaaaaa 180
 ggaggccaaa gacttttgga atggatatga aagcatacct gagatctatg atcccacatc 240
 tggaaatctg aatgaaatct tccaagtcca aggatgtact ttctgctgct gaagtaatgc 300
 aatgggtctca atctctggaa aaacttcttg ccaaccaaac tgggtcaaat gtctttggaa 360
 gtttcctaaa gtctgaattc agtgaggaga atattgagtt ctggctggct tgtgaagact 420
 ataagaaaac agagtctgat cttttgccct gtaaagcaga agagatatat aaagcatttg 480
 tgcattcaga tgctgctaaa caaatcaata ttgacttccg cactcgagaa tctacagcca 540
 agaagattaa agcaccaacc cccacgtgtt ttgatgaagc acaaaaagtc atatatactc 600
 ttatggaaaa ggactcttat cccagggttc tcaaatcaga tatttactta aatcttctaa 660
 atgacctgca ggctaatagc cttaaagtgc tgggtccctgg ctgaagggaa ttaacagata 720
 gtatcaaggc acgaaggaat gtgccagtat ggctccctgg gtgaacagct tggccttttt 780
 tgggtgtctt gacaggccaa gaagaacaaa tgactcagaa tggattaaca tgaaagttaa 840
 ccaggcgtag agttgaagaa gcataagcaa gacaaaaaca gagagaccgc agaaggagga 900
 agatactgtg gtactgtcat aaaaaacagt ggagctctgt attagaaagc ccctcagaac 960
 tgggaaggcc aggttaactct agttacacag aaactgtgac taaagtctat gaaactgatt 1020
 acaacaggct gtaagaatca aagtcaactg acatctatgc tacatattat tatatagttt 1080
 gtactgagct attgaagtc cattaaacta aagtatatgt tttcaaattg ccattgctac 1140
 tattgcttgt cgggtgtattt tattttattg tttttgactt tgggaagagat gaactgtgta 1200
 tttaaacttaa gctattgctc ttaaaaccag ggatcagaat atatttgtaa gttaaactcat 1260
 tgggtgctaata aataaatgtg gattttgtat taaaatatat agaagcaatt tctgttttaca 1320

tgtccttgct actttttaaaa acttgcattht attcctcaga tttttaaaaat aaataaataa 1380
 ttcattttaaa aaaaaaaaaa 1398

<210> 568
 <211> 1223
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. S81914

<400> 568
 acactcgtct ggctcaccat gtgtcactct cgcagctgcc acccgaccat gaccatcctg 60
 caggccccga ccccgcccc ctccaccatc ccgggacccc ggcggggctc cggtcctgag 120
 atcttcacct tcgacctctt cccggagccc gcagcggccc ctgcggggcg ccccgagcggc 180
 tctcgcgggc accgaaagcg cagccgcagg gttctctacc ctcgagtggc cggcgccag 240
 ctgccagtcg aggaaccgaa cccagccaaa aggtctctct ttctgctgct caccatcgtc 300
 ttctgccaga tcttgatggc tgaagagggc gtgcgggcgc ccctgcctcc agaggacgcc 360
 cctaacgccg catccctggc gccaccctct gtgtcccccg tcctcgagcc cttaaatctg 420
 acttcggagc cctcggacta cgctctggac ctcagcactt tcctccagca acacccggcc 480
 gccttctaac tgtgactccc cgcactcccc aaaaagaatc cgaaaaacca caaagaaaca 540
 ccaggcgctac ctgggtgcgc agagcgtatc cccaactggg acttccgagg caacttgaac 600
 tcagaacact acagcggaga cgccaccggg tgcttgaggc gggaccgagg cgcacagaga 660
 ccgaggcgca tagagaccga gcacagccca gctgggctag gcccggtggg aaggagagcg 720
 tcgttaattt atttcttatt gctcctaatt aatatttata tgtatttatg tacgtcctcc 780
 taggtgatga gatgtgtacg taatatttat tttaacttat gcaagggtgt gagatgttcc 840
 ccctgctgta aatgcaggct tcttggtatt tattgagctt tgtgggactg gtggaagcag 900
 gacacctgga actgcggcaa agtaggagaa gaaatgggga ggactcgggt gggggaggac 960
 gtcccggtcg ggatgaagtc tgggtggggc tcgtaagttt aggaggtgac tgcattcctc 1020
 agcattctca actccgtctg tctactgtgt gagacttcgg cggaccatta ggaatgagat 1080
 ccgtgagatc cttccatctt cttgaagtcg cttttagggc ggctgcgagg tagagggttg 1140
 ggggttggtg ggctgtcacg gagcgaactgt cgagatcgcc tagtatgttc tgtgaacaca 1200
 aataaaattg atttactgtc tgc 1223

<210> 569
 <211> 290
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. T03229

<400> 569
 ggtgatcttt gtggcattct ctgtatttcc tgaatctgaa tgttgctctg ccttgctaga 60
 ttggggaagt tctcctggat aatatcctgc agagtgtttt ccagctcggc tccattctgc 120
 ccatcacttt caggtaacac aatcagacgt agatttggtc ttctctcata gtcccatatt 180
 tcttgaggcg tttattcggt tcttggtatc ctttttccct ctaaaacttt tccttctcac 240
 ttcaatttca atttaatttc aaccttcaaa tcaactgata cccctttctt 290

<210> 570
 <211> 253
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. T03593

<220>
 <221> unsure
 <222> (1)..(253)
 <223> n = a or c or g or t

<400> 570
 cgngcaaaaag tgtttatattt tctccttcag atatacantc tattggggnt tccgtgccac 60
 tgaccaccat gtacaaggaa gggnttcaca ggcaaggggg acaggtgagg gcagcccca 120
 cttcactcaa ggaacagggc aagggggccc agtacagaga acagaaatct cttacgacag 180
 catcgtgccc tggcaganga ttctgcatan tcacctagaa atttcaattc taactgnttt 240
 gatggaataa tag 253

<210> 571
 <211> 71
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. T10695

<400> 571
 tttttttttc agctgggcta caggtttatt ctggcactgg aggtgaaagg gggctggtgt 60
 ggccagcacc g 71

<210> 572
 <211> 255
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. T15409

<220>
 <221> unsure
 <222> (1)..(255)
 <223> n = a or c or g or t

<400> 572
 ttttattgaa agttgaaaag tgaacagtta aataagtgac accttaaaat tgtgtagcga 60
 aatgacagaa aatatgcata taactactat acaggtgcta tgcagaaacc cctactggga 120
 aatccatttn attngttcga actgcggatt tttnaacgta ttcaaccagc tgaattgaac 180
 gatttcagtg nacacggatt tacttttagcg tattcagcag ctagatttca gcttccacan 240
 ngtgcgtnac tgtgc 255

<210> 573
 <211> 268
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. T15423

<220>
 <221> unsure
 <222> (1)..(268)
 <223> n = a or c or g or t

<400> 573
 tttatttcat tatcagtctt acaggttgct gaggttgggc aaagccaggg tagtaactta 60
 aatccaaagc acttttgtgg agggacaacc cgttttagcaa ggccctgtta ctgaacagag 120
 ggcagtgggg ggcacccag ggaccacagc acacagacta gtgttagaaa ccccttccca 180
 gaagcaaccg gtgggacttg gcccttacca gccaggggtc tactccattg ggtcttgggg 240
 cccaccaacc cctnttagag gnggnccc 268

<210> 574
 <211> 246
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. T15850

<220>
 <221> unsure
 <222> (1)..(246)
 <223> n = a or c or g or t

<400> 574
 aggaggggtg cgtttattag acaaacgctg ggagacaggc ctggtgggga cctggctggg 60
 ggatgatgca gcccgcaatg gctgctgctt cgtacttggc ttgccccgga ccacagactc 120
 gtaacggtaa cccctaactt ttcagggggc tggnacccgc ccctgccagg gtccacacgc 180
 agagttatgg cgggnccacc cccacaggtg cagctctatc tcccacctnt tgcacagaga 240
 tataag 246

<210> 575
 <211> 311
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. T16282

<220>
 <221> unsure
 <222> (1)..(311)
 <223> n = a or c or g or t

<400> 575
 aagctcagag tgacttttaa tatgccaatc aatgttaata aaacacaagt caaagacaag 60
 tgcaaacatg ttttagacca aaattaatga gaaaacagac aatttttttc aacatctgtt 120
 agccagtatt attagtcaaa tggctaatac cagataaaat atattttgtg aaaaacttgg 180
 aatgtcagan gtcattctgg catttcaaac agctatgtac agtatcacga agatcggttt 240
 atatacacia atattgaaga gaaaaaccgg gcaaaacatt taaaaacaga ctaataatac 300
 aatcaagtat a 311

<210> 576
 <211> 250
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. T17428

<220>
 <221> unsure
 <222> (1)..(250)
 <223> n = a or c or g or t

<400> 576
 gctgtgcagt agtattttatt gttacagtgt taaaattcac tctcgggggaa gcgatttggg 60
 gccacggccc tagaaactgc atctttgttc agagccaacc catttcctct gcagccacaa 120
 aatgcctttg tgtntcaggg ctcgaggat tctcctcgnt ggccagccat tggcaagaat 180
 gccagactca gaggttgcca ttgccacag gctttntnct cctttccttt cacagcagga 240
 agagccctcc 250

<210> 577
 <211> 309
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. T23468

<400> 577
 ttgccaatt atctccatgt ttattttaaatt atttggctct aaaggaagca atcatttcctt 60
 tatacttctt taaatttagt attgacattt ttattttggg aaaggaggtc tttttttttt 120
 ttaacatgga tacaggaaaa gaaaactctc caataaaaaat attgtctaaa aagtttggtt 180
 tggtgcatg atttactaaa tatgtacaat ttcaattcac agcgaaggta acaaagattt 240
 aaacagccaa catcacaaat gtctcaagtt ctataaaaaa atcactgtgc acagtttaac 300
 aatttaatt 309

<210> 578
 <211> 299
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. T23490

<220>
 <221> unsure
 <222> (1)..(299)
 <223> n = a or c or g or t

<400> 578
 tttccagggtt gacagggtttt attccacccc cttccatccc catggccacc ccaggcagga 60
 ggagacaggt gtgctggagt ctggtcactt tggggcccgg cgtgggcaga gccactggg 120
 tttacattct ctgtgggcag gtgtggacac cagagggctg gggcaggagg agcgtgggag 180
 cgagcggnog acccccgctc ctggcccggc ccctgggtaa acgccgactc agatgcctga 240
 aacagacctg ggccgagcaa ggaaggttga tggattttcc acccagacag aaattcaaa 299

<210> 579
 <211> 299
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. T23622

<400> 579
 tttatagagg agactgaaaa agataattta ttccatcaga ggcatacaca ttacagatta 60
 cagacatttg caagtaaata atatgcaggg ttagagcgct gcgttttaac atttaacatt 120
 catgagtaaa cagagatggc cgggtgggtaa atatcttgcc aagggtgggtc cttgtattaa 180
 gccttttgag tctaagatga caaatcccta ggggtcagggt gggttttccc gcacgaactc 240
 ttgtcaatga gaaatccctc agcccccttt gtcttgggtc tcacagctcc agaagggtga 299

<210> 580
 <211> 309
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. T23935

<400> 580
 tttatgtata aacagggtacc agttttgatt ttatttaatc atttcataca ttaacataca 60
 tgacacatca aaatgagaaa tgcacagttt aaccgttcaa cagctggcct tacttcaaaa 120
 gaacactata ttcatattaa acatttacag tctttccatc taactttaca catgtcctaa 180
 atcatttttc agcacttctc acatagaagt ctagttttgc tctttaaaat caccatctgt 240
 atcaccccta gtagacgcga ggggttcccc aattacatgc tgaagagagc cagccaccac 300
 cccacctaa 309

<210> 581
 <211> 128
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. T25732

<220>
 <221> unsure
 <222> (1)..(128)
 <223> n = a or c or g or t

<400> 581
 ctggcttttc ctttcttctt atttttattg ctcccaaagt tccactcatc gtcactgtca 60
 gacgtctccg agtctgacga ggctgcaggc tgactcacag gcnntcctt cnnctcagag 120
 tcaactgag 128

<210> 582
 <211> 207
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. T32113

<220>
 <221> unsure
 <222> (1)..(207)
 <223> n = a or c or g or t

<400> 582
 ctggacagcg ggcagcacca ggcggcggac agtgtcttcc ttctgcagga gcagcgcgng 60

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getctccacc acctcctctc catccttggt ccagcgcacc tntgcccagg gccggcatag 120
ctcacagggtc agcaccacac gctccaggcg caccggctgcc acatacacct tgccgctggg 180
atacacgatac caccaggaga cgtctgt 207

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<210> 583
<211> 308
<212> DNA
<213> Homo sapiens

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<220>
<223> Genbank Accession No. T33263

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<220>
<221> unsure
<222> (1)..(308)
<223> n = a or c or g or t

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<400> 583
gttccttttaa aggtttatct ctggcaaata aaaaaaata acttatgtgg ttagataaat 60
taatgtatgt nattagatac gacacagggc agagctgaac gttcctgttt tcttctggnt 120
cttgaagggtt ggtgagaggc cgctgaatga gaccagcct cgtgttttgt gggatgaaga 180
gatgcagaca aagtgactca ggtacactga tgctccctgg agggctggga ggtgggctca 240
gaggaagagg ccgaatccaa acccttttta ttgaaaagaa atagctcttg tttgtagcat 300
ttaaaga 308

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<210> 584
<211> 271
<212> DNA
<213> Homo sapiens

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<220>
<223> Genbank Accession No. T40895

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<400> 584
taatggtagc tatcaattta ttaactggtt actgcccga tatatataat tataaaatca 60
ccatcaatcc tttcattcat acgttaacac atatcactgg ttttaattcat tgaaggcaaa 120
tacaagtttt tcccttactt tccttccaag attccactta ggctgggttac cccaaacgta 180
atggagaaac attaaatgtc acttttaaac cacttttaaa ccagtcttta attttcaatt 240
caggtgtgag gcacatatat acacacaaac a 271

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<210> 585
<211> 343
<212> DNA
<213> Homo sapiens

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<220>
<223> Genbank Accession No. T40995

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<400> 585
taatggtttaa ggaggaagggt ttattggctt caattcccca gttgatgttc aacactttat 60
ttagttctca tttggatttt aaacatttgc ttgacaaata atttcccatc aatttccatt 120
tctttggaaa gctcccacgt gtaatttatt tttaacatct ctgaagagca gaattaatga 180
tatttcctag ctgttgctcc agatcatgta gggtagagga ggctgaaaac tgctacaagg 240
gaaggcatct gtattgtttc aaaacgtcag gacggtagcg gatactcttt ccagagcgac 300
gagggtcaaa tcccttcatt tatttttttc aaaagggtaa aac 343

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<210> 586
 <211> 351
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. T49061

<220>
 <221> unsure
 <222> (1)..(351)
 <223> n = a or c or g or t

<400> 586
 ggaccaaaga actttatatt tatttttaa atcaaagtaa cacaaagaac tagttcaata 60
 tacagtacac ttcctactct tcacagagaa ctgaaatttt ctataaagac atttatactt 120
 aggaaacatc agacaaccaa agtatgtata aaactcacia gatattttac acacagttca 180
 caataattaa ttctgatatt ttaggntttt tctgtcattg cttttaaaagc atccttaatt 240
 taaaaacaaa aattattatt tgaggactgg aaaacagggtg gcaaaggcat ttctactttt 300
 aattatacac tggtaaattcc ccccttaatc caaaacattt tacttncaca t 351

<210> 587
 <211> 423
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. T49602

<220>
 <221> unsure
 <222> (1)..(423)
 <223> n = a or c or g or t

<400> 587
 tgaatattca agaaagggtga agttttaattt gcatataggc ataacctaca cctcacttgg 60
 caagtgttag gccacagcac aaacccctct gtccaatcac aaatgtccac aaatttgcaa 120
 agtaactgga cagcaacgat atgcttctca aactcacaca catattcgtc catcacacac 180
 aactcaaat gataaagaan tacattgaaa tcctctacaa aagagatctg aggacagtan 240
 tcagatgacc tcatgtgcgg acagcctntt gcagtttaca gtctaattcca tttggtcctc 300
 acantagccc tgtgaggata agcagcacag ggattactnt tcacaccgtt ttgcaggatg 360
 agggaaactg aggctcaggg gatgtgtaaa caccagccta aggtttttcca gttgggagac 420
 tgg 423

<210> 588
 <211> 309
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. T53590

<220>
 <221> unsure
 <222> (1)..(309)
 <223> n = a or c or g or t

<400> 588
 ttnggtatgt ggttcagctn tttattntct ccatggggtg ggtgaagagg agtggcccag 60
 ctgagctgag gaaggtgacc actgagaacc cattcaacct gctgagcagc ttgggcagaa 120
 aggagcagga cttggggacag acgactgaag atgcagagac cccatggggc ccaccctgg 180
 gccttctctcc catntggctg caggcatcct ntntnatcan tgctgggttg cttcctgggt 240
 aaagggccan aaggtnaagg agatgggntt ttcangcatc agaagtgagg tnaatttggt 300
 gcccacatc 309

<210> 589
 <211> 470
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. T56281

<220>
 <221> unsure
 <222> (1)..(470)
 <223> n = a or c or g or t

<400> 589
 caggtnatn ttntttaatt atcactcaca tatttcacag gaaaaggant ntagcaaatg 60
 ggtcaagggtg gtntaaaaaa aaaatccagg tttntacatg tctctctgtt tacatctggg 120
 agaaagggttn tcctggcatc agtcgcagca gctgcacttc tctgacgcc ctttgcaaac 180
 acagccctgg gcacacttgc tacagcccac ggggaggcag gagcagcagc tntntttgca 240
 ggagggtgca tttgcncctt ttgcacttgc aggggaaccag cgcagggtgc agggagacac 300
 cagcgggccc agggagcagt tgggggggnc cattgcaagc ccgagggaga gactgggact 360
 tttcccaagg agagaagcga aggaagccag tggggggcag ctctgtgccg anttccttca 420
 gccccggggg gntcccccta gttctaggag cggnccccac cgggtgggat 470

<210> 590
 <211> 439
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. T62857

<220>
 <221> unsure
 <222> (1)..(439)
 <223> n = a or c or g or t

<400> 590
 caatctnaaa aaaatatttt cattatgttt attataaaaa tataaatggt tccactacaa 60
 atcattttac attagtaaga ggccatctac attgtacaac ataaactgag taatattttg 120
 aaaagacaag tttaaagtaa acacatattg ccaatcatat cacatttata catggcttga 180
 ttgatattta gcacagcata aactgagtga gttaccagaa ataaataata tatgtaaatc 240
 aaattttaaga taaaaaacag ntcatatggg tacataacat catgtaggga gttgtggcct 300
 ttatgtttac tgaaagtcaa tgcagttccc tgtaccaaag ggatggccgt aggcattcta 360
 ggtaccctct nctccctggg ttagggaatc cgtacactta tggtttacca tatggtccgg 420
 gggtaggan ttgtggtaa 439

<210> 591
 <211> 450

<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. T62873

<220>
<221> unsure
<222> (1)..(450)
<223> n = a or c or g or t

<400> 591
tttttnacga gacagagctc agttctgtcg cccagactgg aatgcagtgg tatgatcttg 60
gctcactgca gcctcgactt ctcggttaca agcaattctc ccacctcagc ccctggngta 120
gctgggacta caggagtata ccaccatgcc caactcgttt ttatatTTTT atagaaatgg 180
tntctcacca tattaccag gctggtctca aactcctggg ctcaagcgat ccctctgcct 240
gccttgggtct cccaaagtgc tgggnttaca ggtgtgatcc tctgagtctg gccaatTTTT 300
atttaaagat atTTTTTaaa ttggactgga cgcggtggct catgcctggt aattaatccc 360
agcaactttg gggaggccaa ggcgggatgg cttagacca gctggggta acatgggcaa 420
gacccntct ctaaaaaacc aaaanaaggg 450

<210> 592
<211> 237
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. T62918

<220>
<221> unsure
<222> (1)..(237)
<223> n = a or c or g or t

<400> 592
TTTTTTtaag aatcttctgg gcctctttat taagagccct ctgccttncc aggggagggg 60
agcaaactct tcaggcccc cagagttcct gcaccccata tcatgggtga gnctaccagc 120
cacagagcca cccgtcaccg tggagaggct taagntgcac tcagagctcc ccccgggcat 180
gccgaatgta gtgttgatgc agccctgctt cctgagcaaa gtcttgaccg cactctg 237

<210> 593
<211> 301
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. T64211

<220>
<221> unsure
<222> (1)..(301)
<223> n = a or c or g or t

<400> 593
TTTTTnnntt tgtggatttt ccttttaatg caaaatgttg caatacaaaa caatgtggag 60
aaagcctgtt cctcaggcac tgaaggagg agtgaggaag agaggacaga gctggacgtc 120

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tcctcctatt tctccctccc caagtcactc tgaggggaag aacactgctg cctgctccct 180
gggcctgccg catacaaggt tagagccctg ggtctggggc atccttagcc tgaaatttgt 240
tgacatgggg caggagagca ggagggaaca ttgaggggtt tgactcttcg ggctctaaaa 300
g                                                                 301

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<210> 594
<211> 290
<212> DNA
<213> Homo sapiens

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<220>
<223> Genbank Accession No. T64223

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<220>
<221> unsure
<222> (1)..(290)
<223> n = a or c or g or t

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<400> 594
gaatttnana gcattaagtg cattttatatt tattgtatta gcacataaat tgatgaagcc 60
acatgggtgaa aatctgtgag aaactgaagg ttttcatttg ttttctgtgc cccactgtat 120
atcacctttc aaaataatgc tttctgctgg gtccaaactt cacttggagc aaagaaagggt 180
agttaaaagg tttcacttaa agctacttcg ttatgggtgc tactgaaagt aaggtaaaag 240
caaacagcag taacatgggg actttaantg aggcaagaga agggattcag                290

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<210> 595
<211> 445
<212> DNA
<213> Homo sapiens

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<220>
<223> Genbank Accession No. T67053

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<220>
<221> unsure
<222> (1)..(445)
<223> n = a or c or g or t

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<400> 595
ttctggttgt caatgaggat atttattggg gtttcatgag tgcagggaga agggctggat 60
gacttgggat ggggagagag acccctcccc tgggatccct gcagctccag ggtgccgtgg 120
gtnggggttag agttgggaac ctatgaacat tctntagggg ccactntctt ctccacgggtg 180
ctcccttcat gcgtgacctg gcancnttag cttctgtggg acttccactg ctccggcgctc 240
aggctcaggt agctgctggc cgcgtacttn ttgttgctct gtttggaggg tttgggtggtc 300
tccactcccn ccttnacggg gctgccatct gccttccagg gcactntcac agctcccggg 360
tagaagtcac tgatcagaca cactagtgtg gccttggttg cttggagctc ctccagaggan 420
ggcgggaaca gagttacagt gggga                445

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<210> 596
<211> 444
<212> DNA
<213> Homo sapiens

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```

<220>
<223> Genbank Accession No. T67105

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<220>
 <221> unsure
 <222> (1) .. (444)
 <223> n = a or c or g or t

<400> 596
 ttancaaaca tttattgatt gcacaatgaa acaatctctc ctttcagata tatacatcag 60
 tttactaaaa gagtagatac aaaggctcagg aagtaattac aatgcaatgt gataagttta 120
 ataatatagg tttgacagca tacagnggag ggggtgattg ggtttnaggt gatgggtggga 180
 tattggccag gtaatatctc atggaccaag tgatgacaac atagggtttc acagatggat 240
 aagagtcttc caagtntacc aggggggaaat atacatgtgt gggtgccaaa acagagtatg 300
 gcatttcctg anagtcagan nttnatataa gagtataaag tncaagagaa tgggataagt 360
 agctagggag gtaaggccag acaggntagg cnagtcctag gggcctttca ggccatgggn 420
 agganaacgt ggggcttcac ccta 444

<210> 597
 <211> 244
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. T68873

<220>
 <221> unsure
 <222> (1) .. (244)
 <223> n = a or c or g or t

<400> 597
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 tgtttacatc tgggagcagg gctgtcccca catcaggcac agcagctgca cttctccgac 180
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 gctc 244

<210> 598
 <211> 346
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. T73433

<220>
 <221> unsure
 <222> (1) .. (346)
 <223> n = a or c or g or t

<400> 598
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 ttcacaaaaca agctgggtcg ggttgggant tctttttggg aacagtaggt cccgcgctaa 300
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<210> 599
 <211> 475
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. T78398

<220>
 <221> unsure
 <222> (1)..(475)
 <223> n = a or c or g or t

<400> 599
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 aaaaacttta aatcttaagg gataaagggg nggggggnac ggtggggcct cacggncctg 420
 ttaatcccg ggggttgggg gaggggagcg tgggggtggg gntcacnggg ggtca 475

<210> 600
 <211> 445
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. T79768

<220>
 <221> unsure
 <222> (1)..(445)
 <223> n = a or c or g or t

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 gcacccagca cacacacagg acaggggaaa ggggtgggaga gatgcatgca ctggggacct 180
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<210> 601
 <211> 408
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. T85532

<220>
 <221> unsure

<222> (1)..(408)
<223> n = a or c or g or t

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ggaggctgag gcaggaggat tgcttaagcc cagaaatttg aggctgcagt gagccatgat 180
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gggatgggca ccaattaaat tatttnaggc cctgggtttat tgnaaaat 408

<210> 602
<211> 459
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. T86148

<220>
<221> unsure
<222> (1)..(459)
<223> n = a or c or g or t

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tattaaaana gccc aaaccC caaagtttct ttttttcaa 459

<210> 603
<211> 357
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. T89160

<220>
<221> unsure
<222> (1)..(357)
<223> n = a or c or g or t

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<210> 604
<211> 494
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. T89703

<220>
<221> unsure
<222> (1) .. (494)
<223> n = a or c or g or t

<400> 604
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ttcagcagag cggtt 494

<210> 605
<211> 391
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. T90190

<220>
<221> unsure
<222> (1) .. (391)
<223> n = a or c or g or t

<400> 605
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<210> 606
<211> 483
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. T90619

<220>
<221> unsure

<222> (1)..(483)
<223> n = a or c or g or t

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tct 483

<210> 607
<211> 233
<212> DNA
<213> Homo sapiens

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<220>
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<222> (1)..(224)
<223> n = a or c or g or t

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tagcaatata actgactaga gggctatcaa cttaataata cttagattag atctgtactt 180
taataggaaa agaatttaat agttttacaat catagaaaca ctgacattta aaa 233

<210> 608
<211> 305
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. T94447

<220>
<221> unsure
<222> (1)..(305)
<223> n = a or c or g or t

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cggcc 305

<210> 609
<211> 302

<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. T95005

<400> 609
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ag 302

<210> 610
<211> 352
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. T96171

<220>
<221> unsure
<222> (1)..(352)
<223> n = a or c or g or t

<400> 610
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<210> 611
<211> 358
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. T97243

<220>
<221> unsure
<222> (1)..(358)
<223> n = a or c or g or t

<400> 611
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<210> 612
<211> 348
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. T98019

<220>
<221> unsure
<222> (1) .. (348)
<223> n = a or c or g or t

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<210> 613
<211> 307
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. T98288

<220>
<221> unsure
<222> (1) .. (307)
<223> n = a or c or g or t

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<210> 614
<211> 2376
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. U02020

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<210> 615

<211> 5102

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. U03688

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<212> DNA

<213> Homo sapiens

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<223> Genbank Accession No. U24169

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<210> 626

<211> 1902

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. U26173

<400> 626

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gatggatttt aaaccagagt ttttaaagag cttgagaata cgggggaaatt aatttgttct 180

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<210> 627

<211> 2036

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. U30521

<400> 627

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<210> 628

<211> 426

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. U30999

<400> 628

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426

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<210> 629

<211> 2344

<212> DNA

<213> Homo sapiens

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<223> Genbank Accession No. U41518

<400> 629

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<211> 1303

<212> DNA

<213> Homo sapiens

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<223> Genbank Accession No. U41804

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<210> 631
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<212> DNA
<213> Homo sapiens

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<220>
<223> Genbank Accession No. U45955

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<210> 632
<211> 554
<212> DNA
<213> Homo sapiens

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<220>
<223> Genbank Accession No. U52969

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cgatgagtga aaaa 554

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<210> 633
<211> 1974
<212> DNA
<213> Homo sapiens

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<220>
<223> Genbank Accession No. U53225

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<220>
<221> unsure
<222> (1)..(1974)
<223> n = a or c or g or t

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<213> Homo sapiens

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<210> 651
 <211> 378
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. W20486

<220>
 <221> unsure
 <222> (1)..(378)
 <223> n = a or c or g or t

<400> 651
 tcaagcaaac ggatgatttt aatgaggggt gagaagcact ccgcagtgcg gcaagcggcg 60
 ggctnggntc ggggcccagc accggtggga gcggggcttc tctggcctcg cgcgcggggg 120
 acnggccctt tccctcccg ggaacgcgca ggaggcacg cggccccngg gttggaacaa 180
 acgcgtttac tgcaggcaag gcggcgggcn cggggcggtc tcaccaggcg aagaggggct 240
 tgcgtcctcc ttggagaagc tccgcacagg cagttgaagc agcagcagca agtcgcccag 300
 gaacttgggg ggcaccacgt cgatgaccag cttgcgcacg cggcccgggc ttgctgtgca 360
 aggggggttg cgcgcagg 378

<210> 652
 <211> 687
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. W28214

<220>
 <221> unsure
 <222> (1)..(687)
 <223> n = a or c or g or t

<400> 652
 ttttcangag ctggcccttt caactcagtt taggggcgca gccagctcnc ttcccaatag 60
 ggctctttct gctttccctc tccttgggcc tagatttgta atccatgaaa aagcacaagg 120
 tcctggctcc ttgcggtcac attctggttc tctgtgtttg gtggactctg ctctcactgt 180
 tcaccagca ctagcagtac cagatggttc tgtggagtcc tggggaatgg agagagcaca 240
 gtctgactcc ctgccaagta gccaggagtt gacttgccca tgggtcgctg gctttccac 300

```

cacttcctac aggatgggat ctaagagact caagagctgg gtttctttca gnactctgta 360
ctgtcccaaa tagnaaacia ntcacttngt ggccagattt ctgaatggaa atgagaaatt 420
gaattcagct tgggacttaa ccaggctgac tngntagggg ggnnnnnnan nnnnnnnntn 480
gntcaannnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn 540
nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn 600
nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn 660
nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnn 687

```

```

<210> 653
<211> 870
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. W28548

```

```

<220>
<221> unsure
<222> (1)..(870)
<223> n = a or c or g or t

```

```

<400> 653
tctcacacat tcacgcatcc agtcatccac tcagaggcca accagtcaca cattcactca 60
ctcacaaaaa cacagggttg gatgaccatc atgtgccagc ggcataagggt ggggataacc 120
ctgagttcct ggtgcagaaa ataagattct cagtttttga ccttggattg agaaggacct 180
atgaaatcaa gatagacctg gagaatcctc cctgtcccca cccactcagg cacactcagc 240
tcaaccaaga gggaggccca aaccccagtg aagcccaagg ggcagagcca agctgtggat 300
atgtcagagt ttcttgggca tcttctctgc tgcctgcctc tttccaatct tggttcagat 360
cagggaagca ggaagtatgg gaagatccct gcatggcccc ttgagggcat cctaattggga 420
cggaattggg gagtttctta tattttcatg aaatatccta tttngggctc ctngtggttg 480
tggaacttga gtgattctgn agggcaggag cctccagtga ngagttggna gggatcttgg 540
aaaactggnt ttnattttat ttgggtgggt cggaattcag ttgggcttaa ccaggntgac 600
ttgcaaaggg gggnnnnnnn nnnnnnnnnn ncnnnnnnnn nnnnnnnnnn nnnnnnnnnn 660
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 720
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 780
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 840
nnnnnnnnnn nnnnnnnnnn nnnnnnnccc 870

```

```

<210> 654
<211> 296
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. W31470

```

```

<220>
<221> unsure
<222> (1)..(296)
<223> n = a or c or g or t

```

```

<400> 654
cgggcgcaga gggcgtttat tnggacctgt ccttcccago cgctgcttgt ccaggttcag 60
cgctctccgc ggggtgaggca aggaanncgn ngagacgcnc gagccggtca ccacaaggctc 120
cgcttgacc ccggccgtca cggacgtacc tactggatgc agatggtcca gggatctggg 180
ggtcctggga gagggtgtg tggactgcgg gccagctgg acaaaggcag gggcttctc 240

```


agaagctctg ctggtcacgc aggcgtccgg cccacggctt tcaacagccc tgcaag 296

<210> 655

<211> 353

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. W33172

<220>

<221> unsure

<222> (1)..(353)

<223> n = a or c or g or t

<400> 655

```
tttttttaga ttggtagagg tggtttatgt gccccatagc caagagaggt gtgcaccaag 60
gaggatatca tcaaattctga caatctggaa agcctttgaa actgttcttt tcctaagcac 120
agtattcagc tgtgtcctct tgaacccata tctatcaggt caacagcttt agcccattcc 180
acatgatatt ggctgtgggt ttgtcatata tagctcttat tattttgaga aaccgttcta 240
tcaataccta gtttattgag agtttttaag catgaaaggg ccttttgaaa tttttggctg 300
nacgggcctt ttcttgccaa tcctatttga gnataaatcc aagccgggtt ttt 353
```

<210> 656

<211> 437

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. W33179

<400> 656

```
tttttttttt attttcataa cttgcttctg ttgatttttt ttttttgtaa aactttccca 60
agacattttc agacttaaaa ataaagtcag tgttacaggt gctggtcagc cttcttactt 120
gtacctcaaa cactgggata aaggaggcgg tccaggggcaa tgcagtgatg tctgtcaaga 180
cattccccct cccctaaact cagtagcagt tgaggatgac atttcaggct agagagaccc 240
aaaataacct tgttccacct gagagcaagg tggaagttgc atcagctact gcccacagt 300
agcttcactc tctgattgtg ggctttggag gaacgagaga actggctctt gggcactgtg 360
gaggggtaca gctttgccac tcaaataac cttattgtgg gcattcaggg agccaggggtc 420
cagagctgca gggctgc 437
```

<210> 657

<211> 383

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. W37778

<220>

<221> unsure

<222> (1)..(383)

<223> n = a or c or g or t

<400> 657

```
agaggttttt tattcggccg ggagcatcag cagactcgca tcttaagagc cgagctcccc 60
```

```

gaaaaaagaaa ttcctagccc tttgaaggnt tgacaactct aaggggtcta cgtgaaagag 120
tcataataga tcaagtaagt gtgaggaatg tgactgtggg ctacctacat cagctaacag 180
tacaaaaagt tttacagtgc tttctcacac aatgtctgga atttacagat aacaccagta 240
ngttttgggc aggggttaat attattatca ttctaaccac cagggccagg tgggtggcgcc 300
aaggtcgtct agctatttat ctttcttctg tttctttcca actttttgct ttctcccttt 360
tctcctgtct tataaactag gga 383

```

<210> 658

<211> 383

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. W42778

<400> 658

```

gaaaacaaaa atttattgct tctccttcca aagctttgtg aatttacaaa aaaaaggatg 60
aaagtttaca aactgcttag ttccaactaa gcataagagg tgagaacgta cactgcaggg 120
ccaccagcag cagctgtgca ctcgatcggt aaaactggct cccccagact tgtagtgtct 180
tcttcagggg gctgcattcc ttacacgcca cctcttgtga cataggteat tggtaagcc 240
gctggaatgc tacagagggt tttttgggtt tgagaggctt ttttttggtt tgccttccta 300
ctataaaagc gaaattttca gttcatttct gaaaaataaa ttggtcaata aattcatttt 360
gttctgcttc tactttacac aaa 383

```

<210> 659

<211> 476

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. W44760

<400> 659

```

ttttttctgg taacagcatg ttttaatttat tattattgca aaagaacagt ttttctcatg 60
attagtgaag tagaaaactc acaatatact taagagtctg ccccaaacc attacaaagg 120
ggttgagaga agagagaagc agaaaccaa agagaaacag aagtaataat cagttatcac 180
atgattttta tagtaaacaa tagaatatga tgtgcaatag tgcaattttc ctttgctagt 240
ccagcaatgc aagtaagtct taataggaag tccactgtgt tactttttgt atttcgggat 300
ttagttgcgt gcttgccggg gggtcgagtt cctgccagac ttctgactct gagtggatc 360
actattgcta gaatcacttt tactgagtc aagatgacga agcttcatat cccagcgctt 420
aactttttta ccgagtcgat ccttccactt ctgagctata gagccttcca ccaaga 476

```

<210> 660

<211> 402

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. W45531

<400> 660

```

tttttttttt tttgaaattt gataaatgtt tattgacttg ctgattcaaa aaaacagtgt 60
agctgagaag tctgatcagc tcagaaaaga gtggaatttg gcaacaaata tgttatccaa 120
caaaatctga gtaatttata accttttaac atcttcaaca tatttataat ataaatattt 180
tttaaaaaac cgattattaa actaatactc ccctggaaga acaagaggac taattttcgg 240
tgacgacaga cttgtgctga tccatcatct ggaactccta aagacctgaa tggctgactg 300

```

ggattagtga ctactatctg gttttactgg ttttactcta ctaagcccat gattttgtgg 360
 ttttaaccaa ttaagaaaat tatccccaag cacaataaaa at 402

<210> 661
 <211> 534
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. W45664

<220>
 <221> unsure
 <222> (1)..(534)
 <223> n = a or c or g or t

<400> 661
 ttttttcta aagtcattta ttttcttcga gaactctgga cattccataa ctgggtgtgt 60
 agtatgagta gaatgaattc agtgctagcc tcttgctgga gagggacaag tgcaggttta 120
 gaattacagc ttatgttaga aggttctctt ctcacgata ccttcatgtt agaagaaaga 180
 ggacagaggc agagctgatg gaatctcata aaataacagc taatgccgtg tgtcaggcac 240
 tatgcttaac aagtatctgt ttaacatgtg taaatgctct ttagctcttg cttttctata 300
 atataaaaca gtcctgggag tcctgttctt ccccttcctt tctctcgtgt cctttggact 360
 gtcttttngc agcctctggc ctttctcatt atctactaca gcttgctacc tgactcatca 420
 aaggcacatg ggtgttgcaa gagaggatgg gaaccgggtg gtttatacca ttaaactggc 480
 cattataaca gggagctata aggtggaaaa ataggagncc aggaaataaa gccg 534

<210> 662
 <211> 444
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. W46395

<220>
 <221> unsure
 <222> (1)..(444)
 <223> n = a or c or g or t

<400> 662
 ttttttgcac ttgcgccaca caggacagtg gagccccacc tggtcagttc cacttccggg 60
 ctcccatgca cttgcccag ggggctctt tgggacgggg atggtttgag gaaacacttt 120
 taaagaaaaa aggaagacat tgaaaggttt tagtttcttc cctatctgca tgtcctctca 180
 tatagaaagc ccagaattag gggctagaac tccaggagag ggtctccccg actcatctct 240
 tgctgacggt caccaggatg cagaaatagg gagatgggta gtgggggcca aagatgcccc 300
 ctcccaggcc ttcgtgggtc cctcctcgc cccctgcaat ctttgggagg agtcagtgcc 360
 tactccagc agtgagtgcc tactgtatgc aggtagtcag ccaggcaaag agagactaac 420
 ggtctcatgg gggaacctct tgan 444

<210> 663
 <211> 489
 <212> DNA
 <213> Homo sapiens

<220>

<223> Genbank Accession No. W49708

<400> 663

```
ttttttccacc gcagagatgt ttttattgaa atgcatgtta tgagtaaacac atgaactccc 60
tctggcccag gtgggacttc ttccctcata ggtgggtcag gccagtgagg acagtcttgg 120
tggtggtaag aagggagcca agtgacagaa ggtctccaag gcataggaga tgggtgtccgg 180
tgagtctggg gaaccgagga ttatgaagcc tgctggaagc cttggtatgg tatggttctt 240
ctcagctgtg gctgcagatt tctcttcatt ggctgcctcc tctgaaaaca gactcctctt 300
ttctgcaatt aatcttttaa ctctaccat ccactgactt gacctcagtc acatgggtcaa 360
ccatgagggg gcggtggatg tcatctgctg cgtcccaccg gtggcttgaa aagctcttgc 420
accagtagag ccattctctt ctttacaggg tattgacaac ttctctccaa gccactgtt 480
ccttgcaag 489
```

<210> 664

<211> 678

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. W51743

<220>

<221> unsure

<222> (1) .. (678)

<223> n = a or c or g or t

<400> 664

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cacaaaaaaaa aaatcactaa aaattcccac aaatcttgtt tctggcactt tagaaaaact 60
gcaaaaaaaaa acgtaataaa gaatacatat atatatatct acacacaaat tatatatcta 120
tctatctata cagcgggaacc acaagagaga ctgaggaagg cctggaggca ggggcagagg 180
tgacgcacagt gccctatat ccttaaccca tactcctctg aggcaaacag gcatgggaaa 240
atggaaggggt tgaggatgga cgggagaatt ggaacttcag aataggtcaa aattccaaaa 300
ccatggacat ttttttttgg gagaattgag attgtagaca tttttttttt cttaaatatg 360
atcaaggaaa atagcttcca gaatgtggtg gttctgggca acaaatgaga ttgtggcgac 420
gtggagatta aaatatatgt atttgagctg gggaatttga atattgtgag tttcagatgt 480
tggaattttg ggatttttga gttttgtctt ttgaaaatga tcaagtcttg tcagtctctg 540
ccctctttcc ccattgtccc tgggaagacg ggtgggtggc agtgagaaag gccactgggtc 600
tgtgccgcac acgcaaaaatt tagaatctcc agctagctct atcgtgtgag gnccagatta 660
gggaantgcc atattacc 678
```

<210> 665

<211> 453

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. W52065

<220>

<221> unsure

<222> (1) .. (453)

<223> n = a or c or g or t

<400> 665

```
tttttttttt ttttttcaga ggtcaaatca cttttattct ttaaggattc agtgtaacat 60
ccttttcttt aataaaataa ttaaactctg gcagaaatta acttattcaa aaagtcatac 120
```

```

taatactttg ttatgacttt ttatagaaaa acaaacttta tttttttatt tttttgagat 180
ggagtcttgc tctgtcacct aggctggagc gcaatggcac gatctcagct cactgtagcc 240
tccacctccc aggttcaagc gattccccctg ccttagcctc ccgagtagct ggaattacag 300
gtgtgcgcta ccatgcctgg gctaattttt gtatttttag tagagatggg gtttcacat 360
gttggaagg ctggtttcga actcctgacc tcaggtggat tcacccgcct tggcctccca 420
aagtggctgg gattataggc gtgacagcct gna 453

```

<210> 666

<211> 466

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. W52638

<220>

<221> unsure

<222> (1)..(466)

<223> n = a or c or g or t

<400> 666

```

ctcagtttgg gaccaaactg cttggatctt tgtaaaaacc cggttttgta tgtcaaggag 60
gagtttaagg cctttccgac caccttgtgt tcccccttc tgcgcaccat gtatcacgtg 120
gagttgctcc ttaccacacc tcacgtgccc ctgagcccta tttcctgatt tcttctgggc 180
tggacttccc cgttctccac cagcagctcc agtatcccaa actttctagt cctgctgac 240
ctcccagcaa cgggggtggaa actggagggc agtgtctggg ctgttttcta agaaacttat 300
gaattctatt atctttacaa atatgagaaa attttttcaa ttttttttat taatcttttt 360
ataaaatgaa aagaaactcc tatgatcgat taaggaaggg gggtatggct ggggtggtca 420
gggggttttt tgggtttcnt tttttttttt cnttgcctt ttaacg 466

```

<210> 667

<211> 511

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. W52858

<400> 667

```

cacggccaaa atccataaag attataaaaag caaactaagt tgtgaagcta tagtacatgt 60
aggcatcttag ttaagtatag caattcaaac tgacctgcat ccatccaaaa caaatcctc 120
cttcaacctt atttttactt gaaatttgct agaagaaata gcaaaccga aatttgtttt 180
atgcatgagt taataccact ggctcagcaa atacaagtta gtttgcttta agcaggtaac 240
tttttttgta atggaacgaa atgcactaca aagttaagac agatttttgc taagtgcagg 300
aggcccttta ttattgctgc agaaaacaaa agcctggctg agttgatgtt ttacattctc 360
ccttactgaa atctacatga catgatgctt cttgctgggt ttttgtacat ggtaaactt 420
ggtaagctg tgaaagaaaa tgggctggag gtgtgctttg gtgtggaaag ggtgagcaat 480
aaaggatatc ggttaagtcc cccaaaaaaa a 511

```

<210> 668

<211> 426

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. W56792

<400> 668
catcattttt tattgtaaga aaatacacag tttgaaagtg tgaataatgc aatattttatg 60
accaagaaat gggacttagg aaggggaagg aagataaaga aaaagatcaa gatgatctga 120
ttgagagaca gtgttgaaact ccaaatactg aactggaaaa ggaggagggt ggggaggaac 180
aggaggagga agtaaaaaaa tttgatcaga gaaacagtta aaatacaata tgaaaaataag 240
taatacctct ccttaaattc cttctataca caaaatacac gatttgccaa agcccaattt 300
gtgctactgg gattctgtga gctccttaag tgtattcaca tcctctgcaa cagcagaaaa 360
tgattatgat acaatcagaa tatgctgaag acaagttaaa ctcttgccag caggttcctt 420
aaaaat 426

<210> 669

<211> 426

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. W57931

<220>

<221> unsure

<222> (1) .. (426)

<223> n = a or c or g or t

<400> 669
tttttttttt tttttgggag gcaggagttg ctttttattg acttggaagt gggctcttca 60
gtgaagcccc tttggttnta agagcatttt cctgcttcct ttgttcttcc tgcaacttct 120
gctgcttgag ctgccatgct tgtaatccag cgtccatttc ctgtgacagc agtacaactc 180
gtcttgcaaa cgtctccctt tcagcttttc ttcgaagctg gcctttcatt gggggagcag 240
ggcggccatc cgattatgac cagtctggga gctcggttaag gggcccgtaa gccgganggg 300
ttggcagcca agtccctgct gtantcgcca ctggccgccc gcccaagcgg ttacnttgca 360
gtgcaccctt ccggacacct gtgaagagaa cagtccctaa agcagccatg tgagcagcct 420
cgtgcc 426

<210> 670

<211> 98

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. W60186

<400> 670
aacttacaaa caaaaatacc gtaataataa acccaaacaa agaccctcag cttgctgcca 60
cgttctctat gcggtttggc ggggcgggta ttacaag 98

<210> 671

<211> 597

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. W63793

<220>

<221> unsure

<222> (1) .. (597)

<223> n = a or c or g or t

<400> 671

```
ggaactgaga aaacagcaaa gttgactaaa ttttatattt cttgtcctct aaatattttg 60
ataatttctg gattgatgca gtgatgtttt tgttccttcc gtatttataa atgaaacacc 120
tttttttagt gtttctaaac ctaaaatcta cttggtttga aatcaagtgg ttggaacact 180
gtttgacttt tatttgaagc atgttggtga ttgaaaattt cattgaggaa gttttcaatc 240
agtgtgatca gtttgattct gtaatgagca cagcacctaa tattttgagg agctctgttt 300
tgaggaccaaa tgcttaaggt ggactttgtt cgtaaacaat atcccaatag atttgttgac 360
ttgagggtctg gtttggtttt gtttttgttt tgttttgttt tgttttgttt ccaatagaat 420
taagaattct aatgttgaaa aactgcacaa atttttatgg gacaaagcct agaaaagaga 480
aatgtagttt gaatcataac caaaaccacg gatgatagaa gagggaaagt ttggggccat 540
aatttctcct tcactggtgt tgacctaaac cgttggaaag gaattccggn cccaatt 597
```

<210> 672

<211> 447

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. W67225

<400> 672

```
ttttgtgttc caataaaatt ttattaacaa aatatgacag tggggggggcc acagtttgcc 60
aaactttgcc ttggaggaca tgcagaggca ccctcagaat tcagtgaana cctgctccca 120
tattgctaag actcatgaag tataatctct catcttcttt ctctttcccc tgcccaagcc 180
ctaagttagg gttcccatcc atataacaaa gacttctggt cagggtggcat ttgctatctc 240
tgagattccc tgcccatgaa agccacaaaag agatttcttc ttttacacac cctgaagcat 300
attatggccc cagcaaggct aactaaatca aactgtggtt taaaaacaaa acaaaccaac 360
cactgtgaaa tatttatatt tgtttttag tagttaagcat gattaaacca gtgcagaaaa 420
atactaagta cattgggtaa aagatga 447
```

<210> 673

<211> 411

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. W67577

<220>

<221> unsure

<222> (1)..(411)

<223> n = a or c or g or t

<400> 673

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ctaattacta ccttttattc taatgtgaac catgggcctt ggaaagctga taacaagctt 60
ggctgagcag aggggaactag gggtcaggca gaaaggatta tgggntggaa aacattggct 120
cttccttggg nagtgatgc tngggaaagg ggaagagagt ggctcancct ggcaggtaaa 180
taggctagaa aagccaaggc caaanctggg gaggggagag gacagtcagc atgtccagcc 240
tgggggtctg gtgtaagggg tatcccttct ccctgggtgc ttcccatctc gtccatgagc 300
ctaaggtctt gggagccttg tgttgggagg ctgctgtgat gtcagggaac ggggatctgt 360
ctagcttttg gccacttctt ggggacctca caccctgtt tganaaattg g 411
```

<210> 674

<211> 473

<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. W69302

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<210> 675
<211> 128
<212> DNA
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<220>
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<211> 428
<212> DNA
<213> Homo sapiens

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aaaaaaaa 428

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<212> DNA
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<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. W73790

<220>
<221> unsure
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nttctccagg gtccaggnc 620

<210> 679
<211> 697
<212> DNA
<213> Homo sapiens

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<223> Genbank Accession No. W73859

<220>
<221> unsure
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<210> 680

<211> 676

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. W74533

<220>

<221> unsure

<222> (1)..(676)

<223> n = a or c or g or t

<400> 680

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<210> 681

<211> 496

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. W76181

<220>

<221> unsure

<222> (1)..(487)

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<400> 681

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<213> Homo sapiens

<220>
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tcatgaagaa agaaa 315

<210> 683
<211> 418
<212> DNA
<213> Homo sapiens

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<223> Genbank Accession No. W86513

<220>
<221> unsure
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<210> 684
<211> 265
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. W88568

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cctctgaaag ccgatgacca tccaaccctg actcacctga aatatcctac gagcatcgcc 240
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<210> 685
<211> 395
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. W92207

<220>
<221> unsure
<222> (1) .. (395)
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<210> 686
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<212> DNA
<213> Homo sapiens

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<223> Genbank Accession No. W92449

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g 241

<210> 687
<211> 355
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. W94333

<400> 687
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<210> 688
<211> 1761
<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. X00351

<400> 688

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<211> 3768

<212> DNA

<213> Homo sapiens

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<223> Genbank Accession No. X00371

<400> 689

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<211> 803

<212> DNA
<213> Homo sapiens

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<223> Genbank Accession No. X02544

<400> 690

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<213> Homo sapiens

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<223> Genbank Accession No. X06256

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<213> Homo sapiens

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<210> 711

<211> 1195

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. X59766

<400> 711

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<210> 712

<211> 2152

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. X62320

<400> 712

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caaatggccc acaacactga gcaggcatct ggttggcccc tgccagggtg atgcccactg 240
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```

<210> 713
<211> 367
<212> DNA
<213> Homo sapiens

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<220>
<223> Genbank Accession No. X64177

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<400> 713
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gctgctcctg ttgccccctg ggctgtgcca agtgtgccc gggctgcctc tgcaaagggg 180
cgtcagagaa gtgcagctgc tgtgcctgat gtggggacag ccctgctgtc agatgaaaac 240
agaatgacac gtaaaatccg aggttttttt tttctacaac tccgactcat ttgctacatt 300
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aaaaaaa

```

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<210> 714
<211> 439
<212> DNA
<213> Homo sapiens

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<220>
<223> Genbank Accession No. X65614

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<400> 714
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ctcaaatgat gccctggaga tgtcacagat tcctgcagag ccatgggtccc aggcctccca 360
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439

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<210> 715

<211> 6004

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. X65965

<220>

<221> unsure

<222> (1)..(6004)

<223> n = a or c or g or t

<400> 715

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<210> 716
<211> 813
<212> DNA
<213> Homo sapiens

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<220>
<223> Genbank Accession No. X66141

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```

<210> 717
<211> 2390
<212> DNA
<213> Homo sapiens

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<220>
<223> Genbank Accession No. X66899

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<210> 718

<211> 1943

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. X72841

<400> 718

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1943

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<210> 719

<211> 3151

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. X76180

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<213> Homo sapiens

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<213> Homo sapiens

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<223> Genbank Accession No. X85373

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<212> DNA

<213> Homo sapiens

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<211> 333

<212> DNA

<213> Homo sapiens

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<223> Genbank Accession No. X99728

<400> 728

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<211> 1635

<212> DNA

<213> Homo sapiens

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<211> 4148

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. Y08614

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<211> 1890

<212> DNA

<213> Homo sapiens

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<223> Genbank Accession No. Y12711

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<210> 732

<211> 2038

<212> DNA

<213> Homo sapiens

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<223> Genbank Accession No. Z11793

<400> 732

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<212> DNA
<213> Homo sapiens

<220>
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<211> 270
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. Z38744

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<223> n = a or c or g or t

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<211> 287
<212> DNA
<213> Homo sapiens

<220>
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<210> 736
<211> 323
<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. Z39904

<220>

<221> unsure

<222> (1)..(323)

<223> n = a or c or g or t

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<210> 737

<211> 326

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. Z39983

<400> 737

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<211> 254

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. Z40186

<220>

<221> unsure

<222> (1)..(254)

<223> n = a or c or g or t

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<211> 346

<212> DNA
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